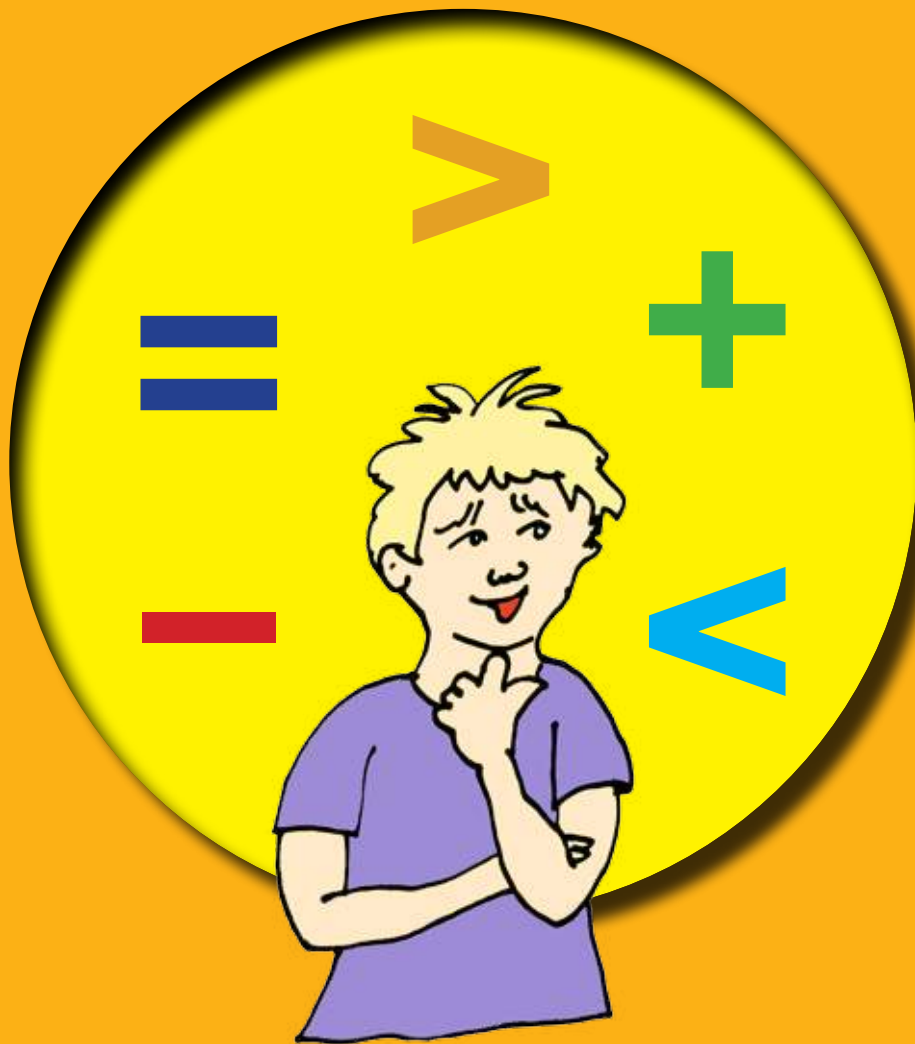


Anneli Areng

Meelika Maila



MATEMAATIKA

2. KLASS

III OSA

Anneli Areng

Meelika Maila

MATEMAATIKA

2. KLASS

III OSA

2020

Õppevara väljaandmist toetavad Euroopa Sotsiaalfond ning Haridus- ja Teadusministeerium programmi „Kaasaegse ja uuendusliku õppevara arendamine ja kasutuselevõtt“ raames.

Väljaandja SA Innove, Haridus- ja Noorteamet.



Euroopa Liit
Euroopa Sotsiaalfond



Eesti
tuleviku heaks



Hariduslike erivajadustega
õpilaste õppevara arendamine

2. klassi matemaatika III osa

2. klassi matemaatika (I-III osa) digiõpiku ning selle juurde kuuluvate prinditavate töölehtede autorid on Anneli Areng ja Meelika Maila.

Digiõpiku haridustehnoloog on Mari Tõnisson.

Digiõpiku juurde kuulub õpetaja metoodiline juhend. Metoodilise juhendi autor on Meelika Maila.

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Retsensenseerisid Eda Sempelson, Kaja Mädamürk

Toimetanud Kristi Kingo

Illustreerinud Piret Tagel

Kujundanud ja küljendanud Irina Gron, Alar Kitsik

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Kivi 23

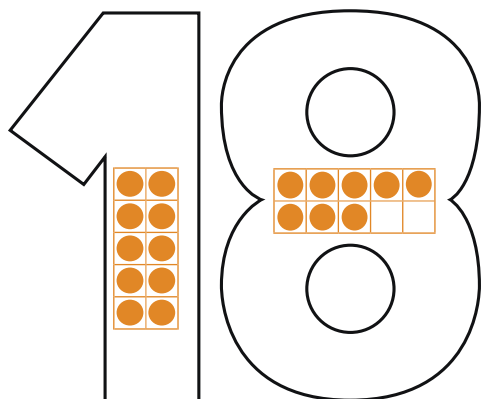
51009 Tartu

Tel 734 9099

Faks 734 8915

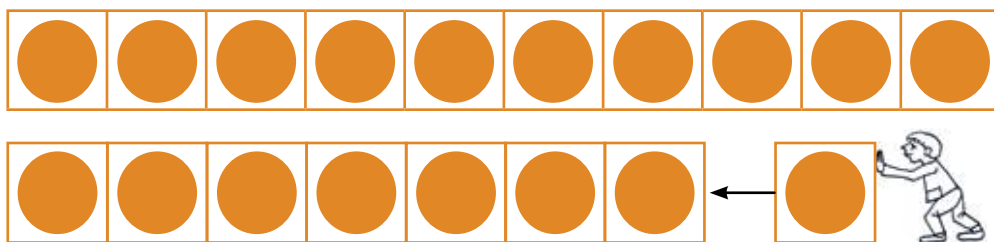
atlex@atlex.ee

www.atlex.ee

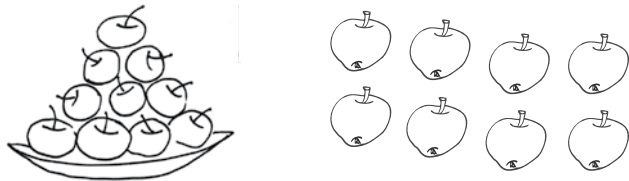
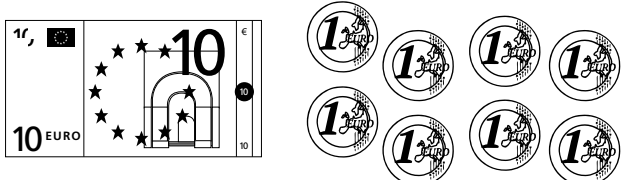


KAHEKSATEIST

1. Vaata pilti. Räägi.



2. Vaata pilti. Täida lüngad.

 10 ja 8 1 kümneline ja 8 ühelist K Ü	 10 ja 8 ___ kümneline ja ___ ühelist K Ü
 ja ___ kümneline ja ___ ühelist K Ü	 ja ___ kümneline ja ___ ühelist K Ü

3. Jätka rida.

18	18	18	18	18	18	18	18	18
18								
18								

4. Leia ja ühenda õige arv.



5. Mis arv on peidus? Kirjuta.

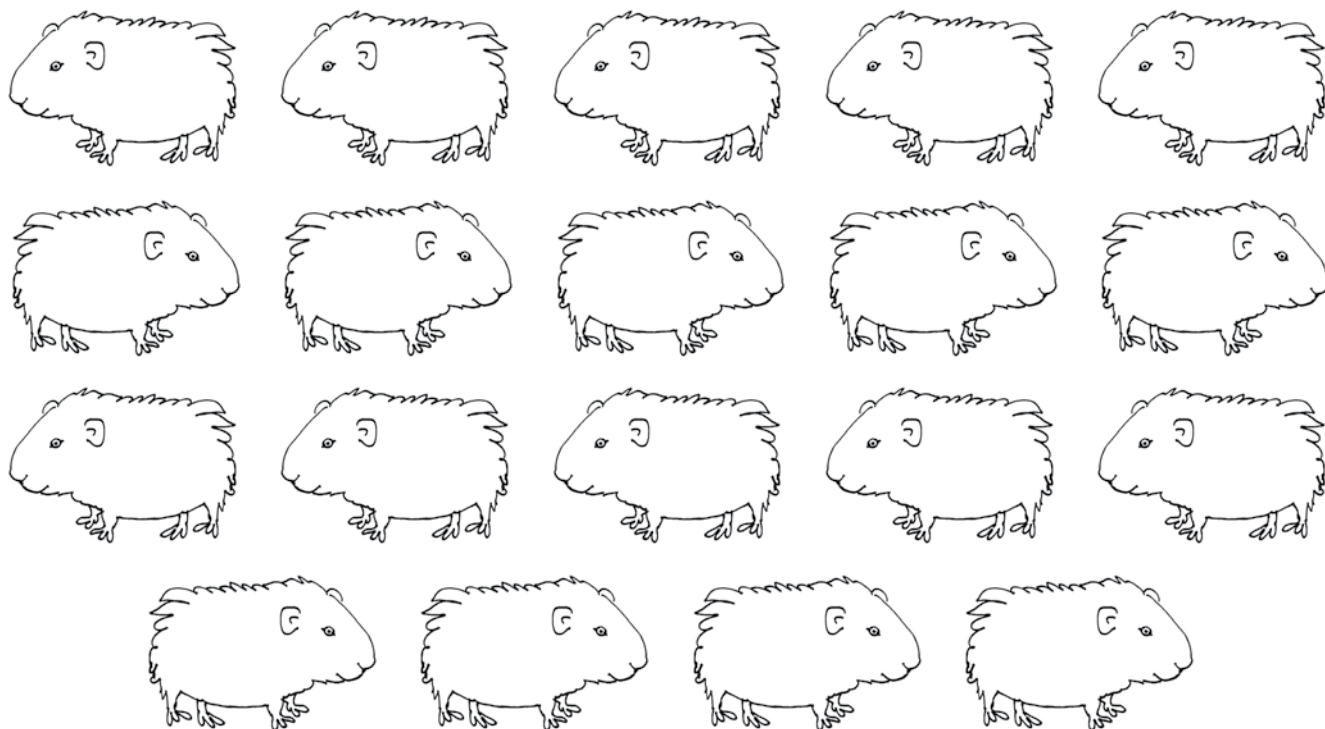
7		9		11	12	13	14	15	16	17	
---	---	---	---	----	----	----	----	----	----	----	---

	
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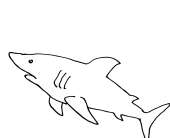
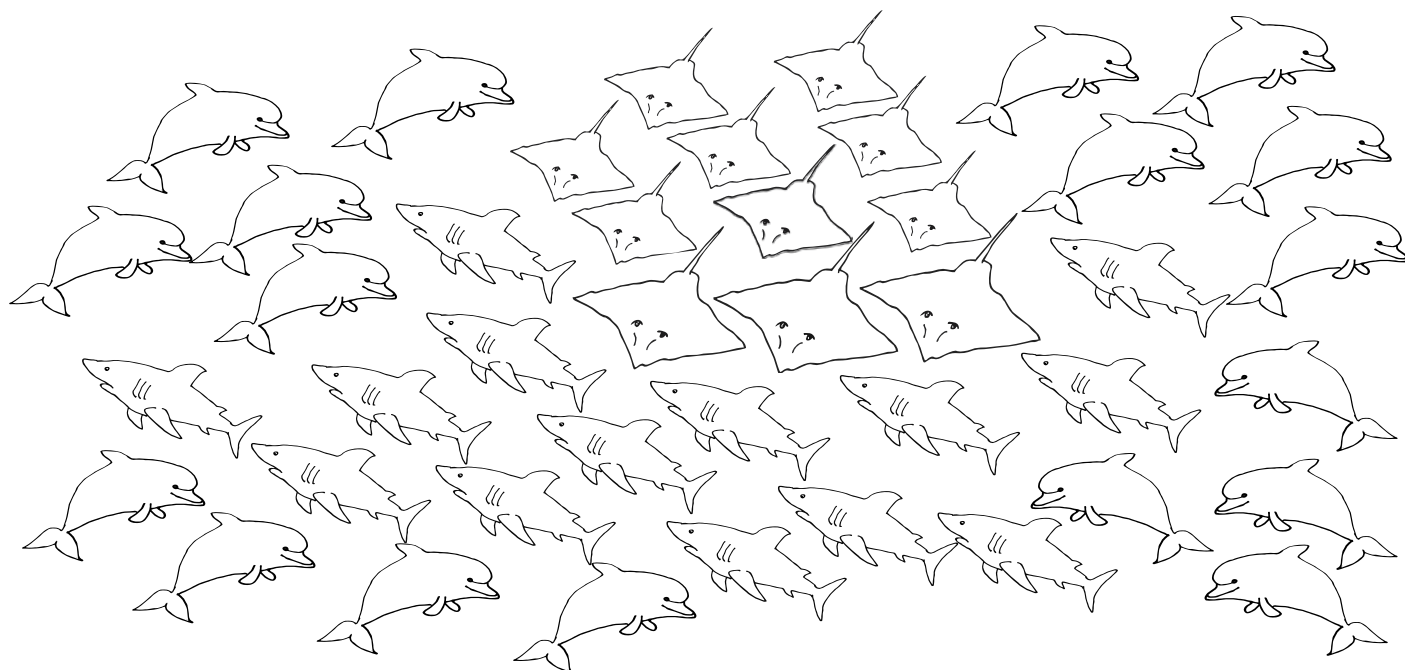
6. Värv 10 meri-siga pruuniks ja 8 mustaks.



Mitu merisiga on värvitud?

Värvimata jäi meri-siga.

7. Loenda. Kirjuta.



K Ü



K Ü



K Ü

ARVURIDA 1–18

8. Loe arvu-rida.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18		

9. Kirjuta antud arvule järgnev arv.

13	→	
----	---	-------------

9	→	
---	---	-------------

17	→	
----	---	-------------

10	→	
----	---	-------------

10. Kirjuta antud arvule eelnev arv.

	←	12
-------------	---	----

	←	6
-------------	---	---

	←	14
-------------	---	----

	←	18
-------------	---	----

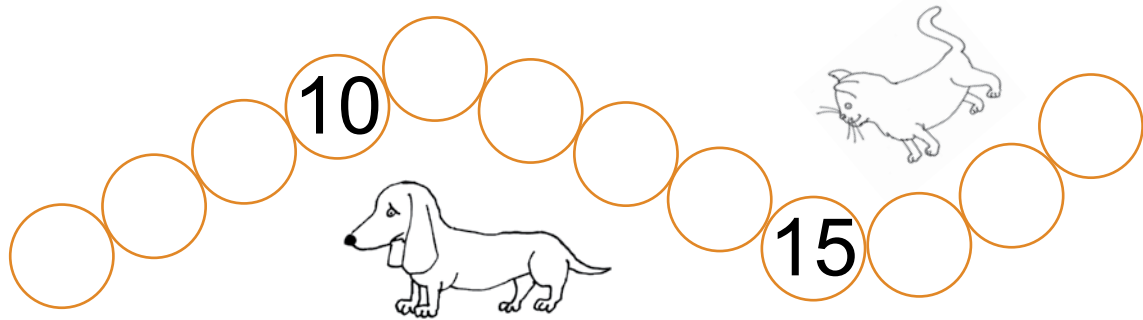
11. Kirjuta antud arvule eelnev ja järgnev arv.

	11	
-------------	---------------	-------------

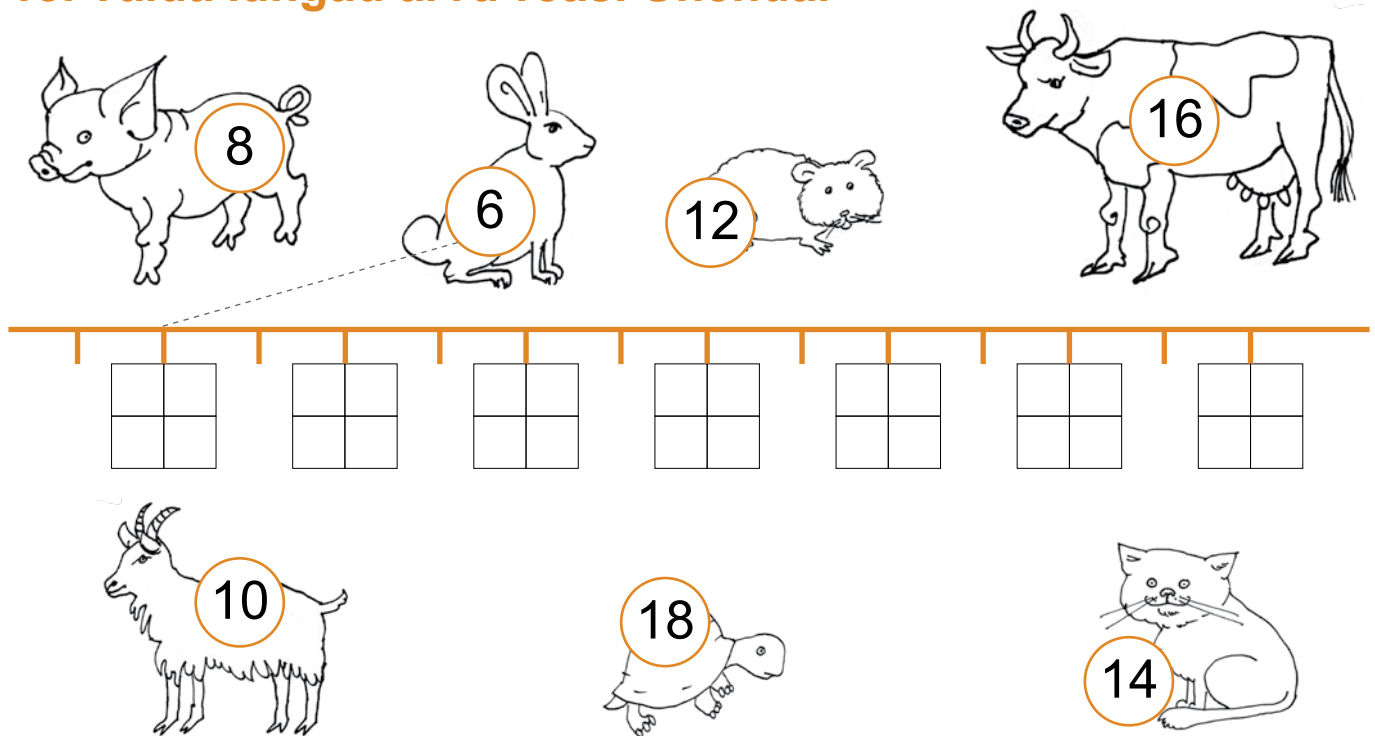
	14	
-------------	---------------	-------------

	17	
-------------	---------------	-------------

12. Kirjuta puuduvad arvud. Loe saadud arvu-rida.

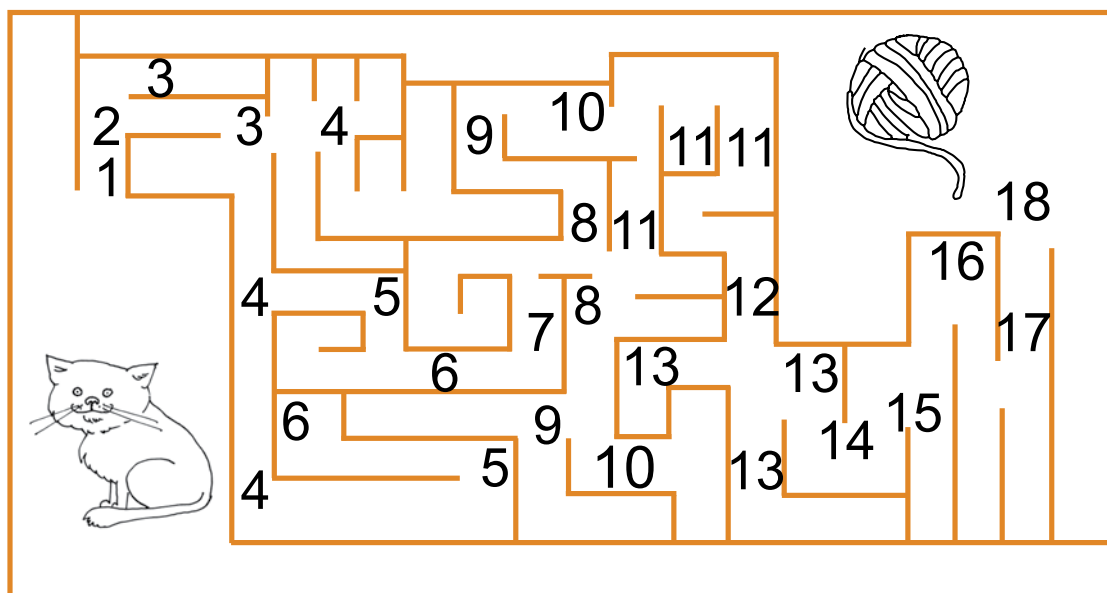


13. Täida lüngad arvu-reas. Ühenda.



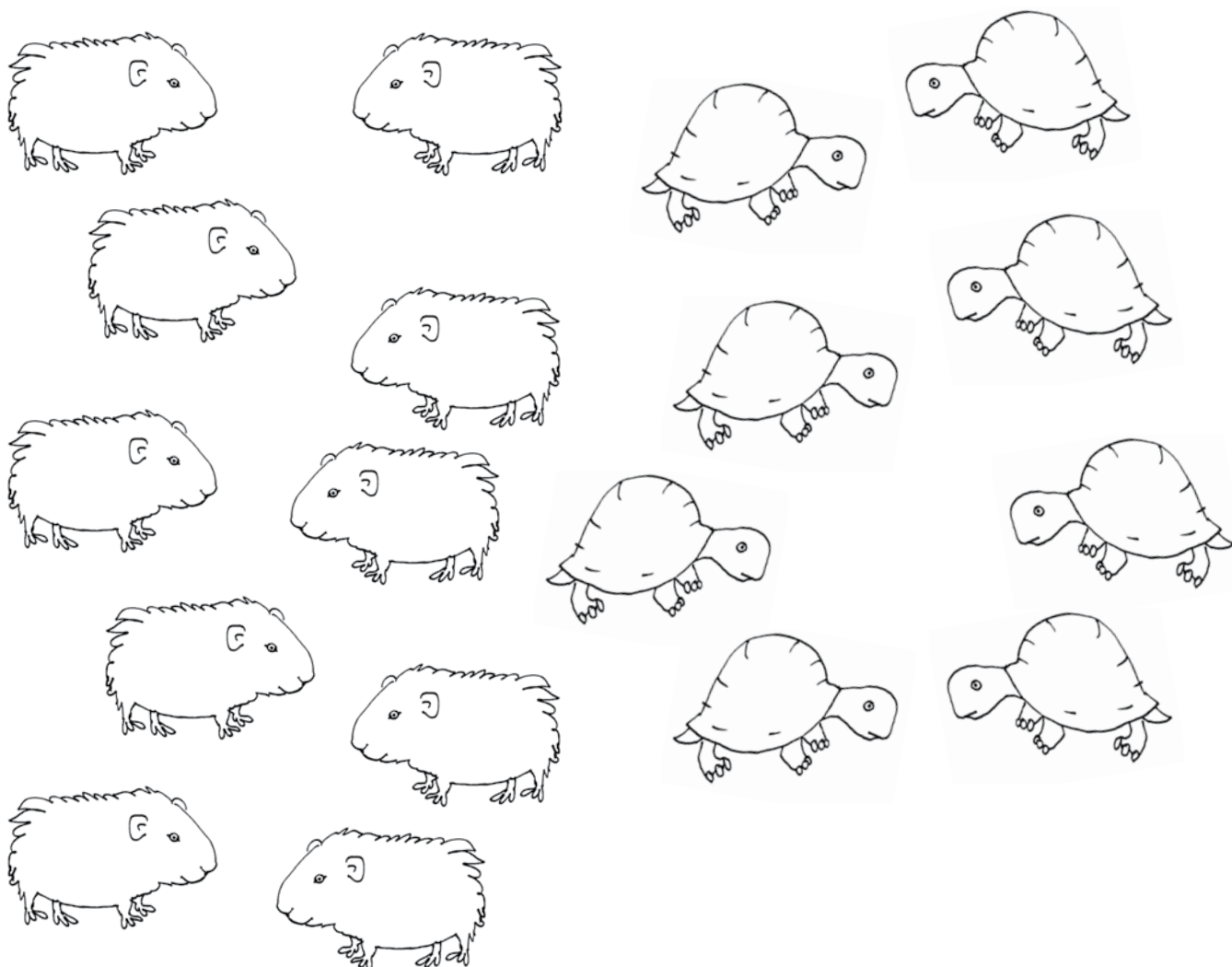
Kes neist on lemmik-loomad? Nimeta.

14. Leia kassi-poja tee (1–18) lõnga-kerani.



ARVU 18 KÜMNENDKOOSTIS

15. Vasta küsimustele. Täida lüngad.



Mitu lemmik-looma on pildil?

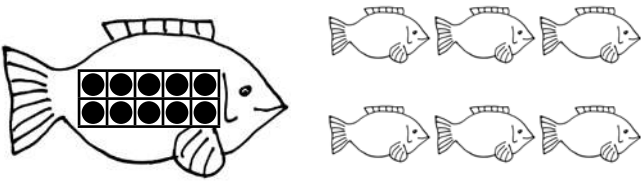
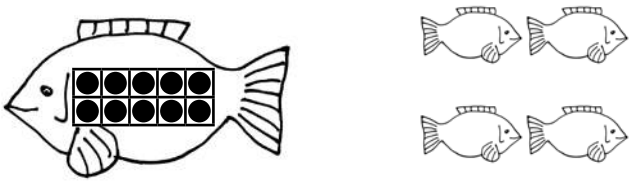
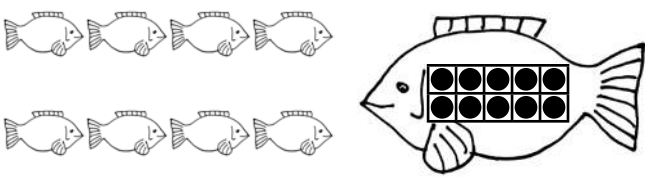
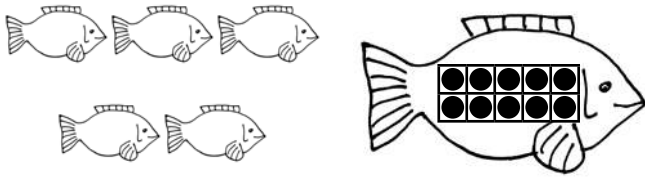
Mitu meri-siga on pildil?

Mitu kilp-konna on pildil?

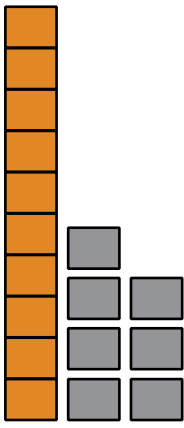
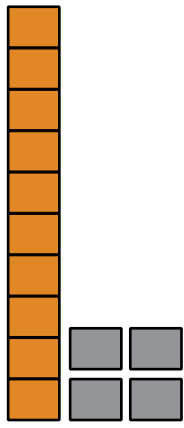
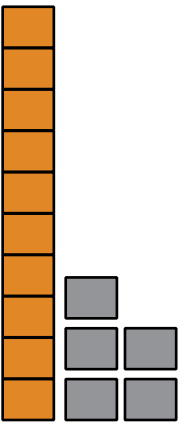
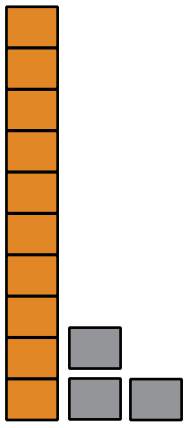
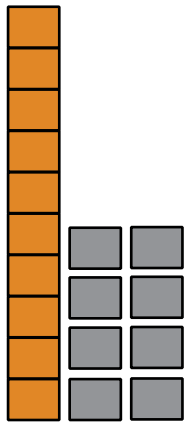
18 on ja

10 ja on 18.

16. Kirjuta pildi järgi arvud.

 K Ü K Ü K Ü	 K Ü K Ü K Ü
 K Ü K Ü K Ü	 K Ü K Ü K Ü

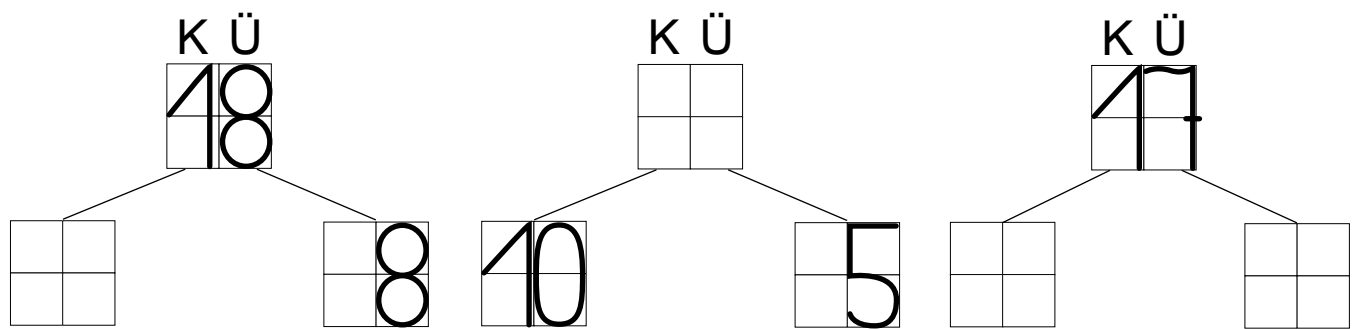
17. Mis arv on pildil? Kirjuta arv kümneline ja ühelised.

 K Ü	 K Ü	 K Ü	 K Ü	 K Ü

18. Leia arv kümnelise ja üheliste järgi.

14 16 13	18 17 16	12 15 13
15 11 17	18 16 14	12 14 13

19. Kirjuta arvu asendajad. Räägi.



20. Kirjuta arvu kümneline ja ühelised.

Arv	Kümnelist	Ühelist
12		
4		
18		
10		

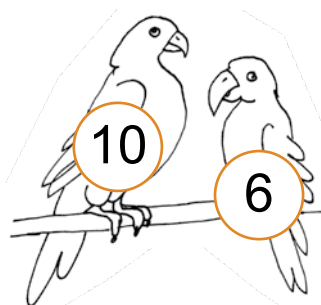
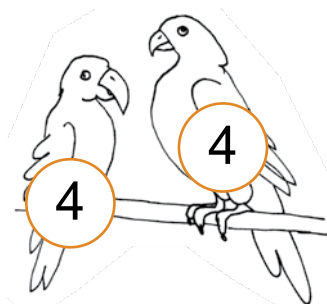
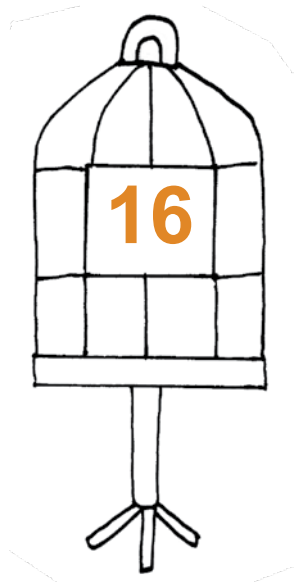
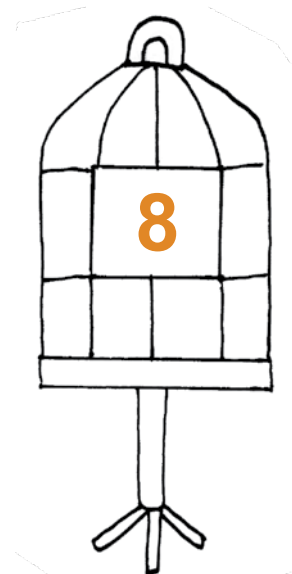
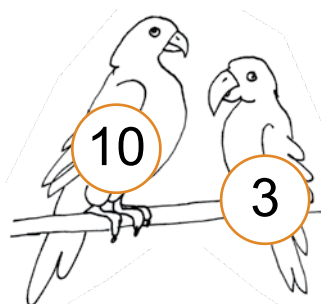
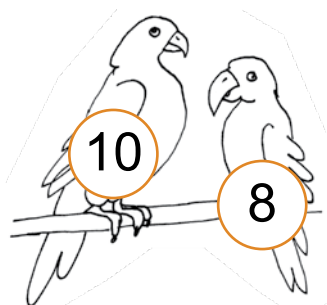
Arv	Kümnelist	Ühelist
15		
11		
6		
17		

21. Kirjuta arv kümnelise ja üheliste järgi.

Arv	Kümnelist	Ühelist
	1	5
		9
	1	0
	1	2

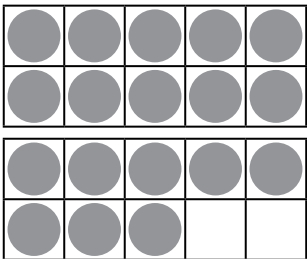
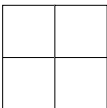
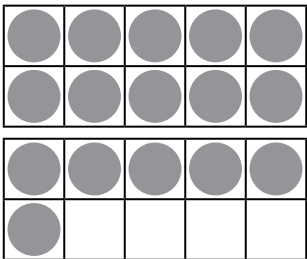
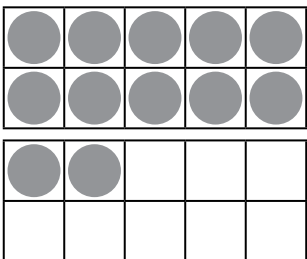
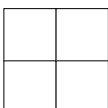
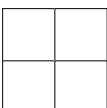
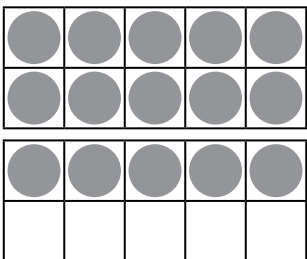
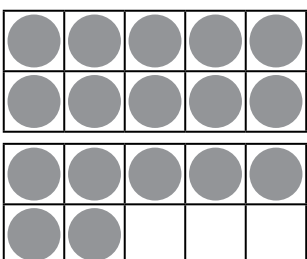
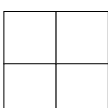
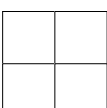
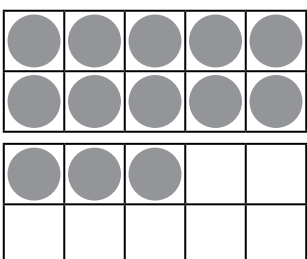
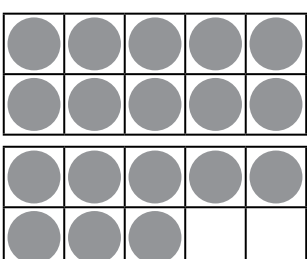
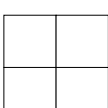
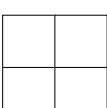
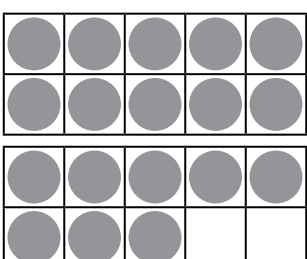
Arv	Kümnelist	Ühelist
	1	8
	1	4
		7
	1	3

22. Leia papa-goidele puur.

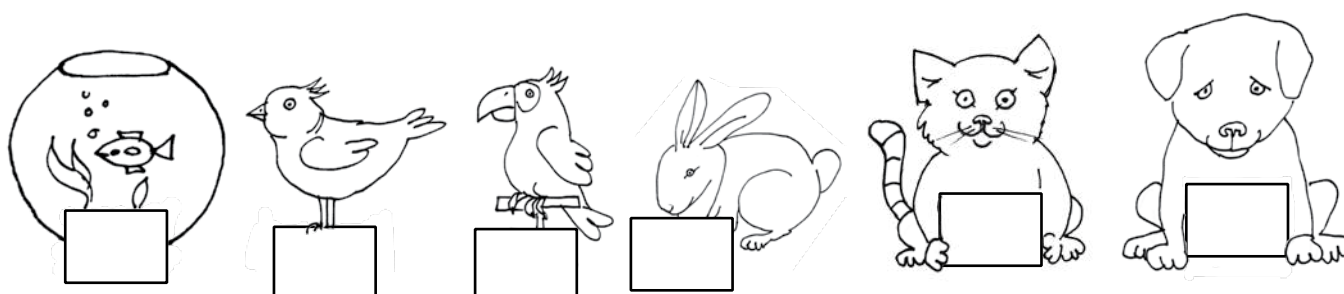


VÖRDLEMINE 18 PIRES

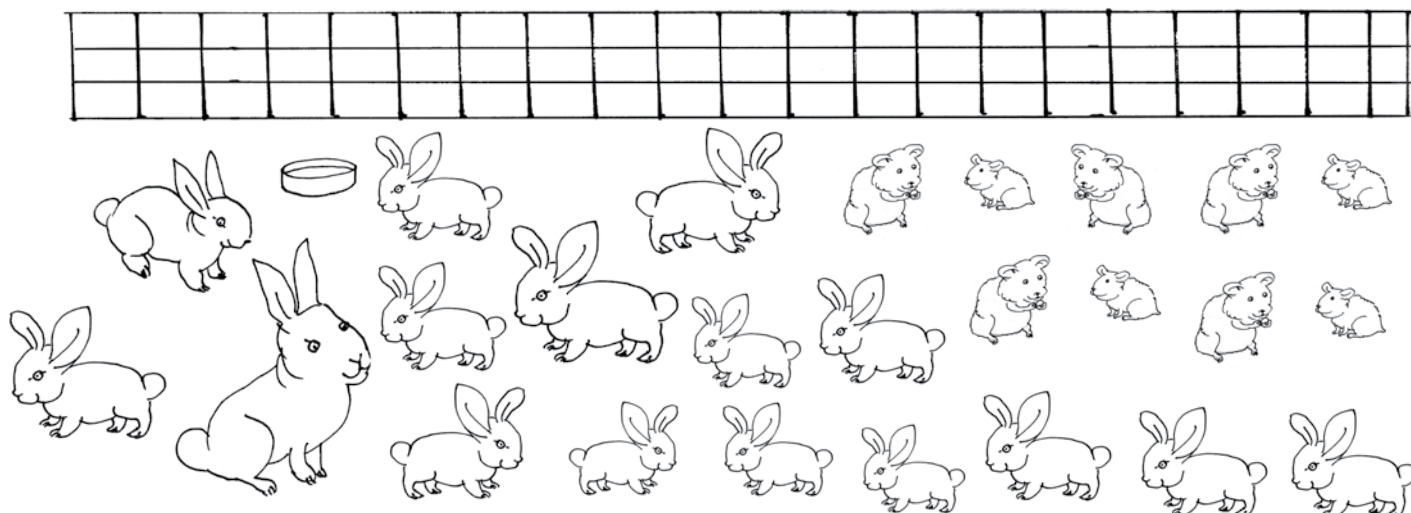
23. Loenda. Kirjuta. Võrdle ($>$, $<$, $=$).

Reasta saadud arvud alates väiksemast.



24. Loenda. Võrdle.



Pildil on

 küülikut ja

 hamstrit.



on

rohkem



on

vähem

25. Võrdle (>, <, =).

10

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 18

17

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 9

6

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 14

18

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 14

12

--

 15

13

--

 18

26. Täida lüngad.

9 13 >	18 16 >	14 10 <	8 18 <
11 17 <	13 5 <	18 9 >	12 15 >

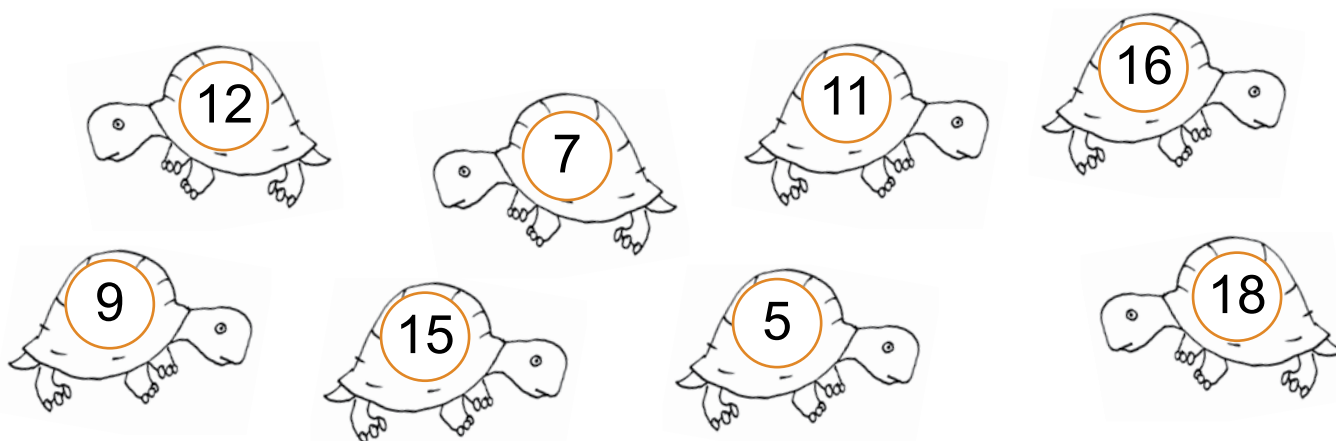
27. Kirjuta sobivad arvud.

$$\begin{array}{ccc}
 16 < \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} & 15 > \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} & 13 < \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \\
 10 < \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} & 17 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} & 18 > \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \\
 \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} > 7 & \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} < 18 & \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} > 10 \\
 \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} < 14 & \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} > 17 & \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} = 18
 \end{array}$$

28. Vali lünka sobivad arvud.

<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px 10px;">16</td> <td style="padding: 5px 10px;">12</td> </tr> <tr> <td style="padding: 5px 10px;">10</td> <td style="padding: 5px 10px;">18</td> </tr> </table> < < <	16	12	10	18	<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px 10px;">18</td> <td style="padding: 5px 10px;">7</td> </tr> <tr> <td style="padding: 5px 10px;">14</td> <td style="padding: 5px 10px;">11</td> </tr> </table> > > >	18	7	14	11
16	12								
10	18								
18	7								
14	11								

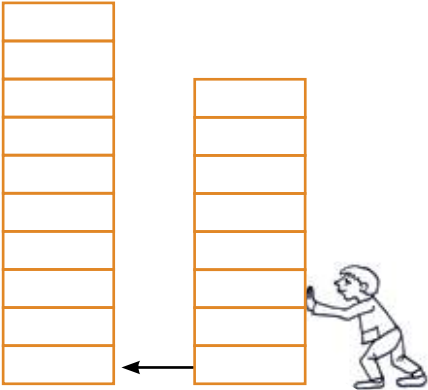
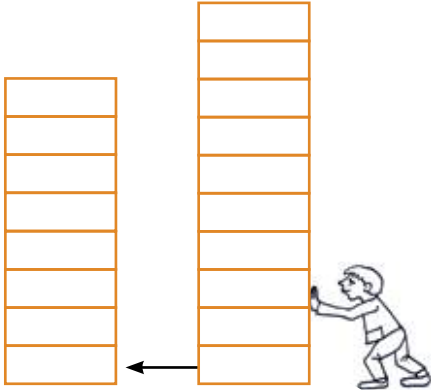
29. Järjesta arvud alates suuremast.

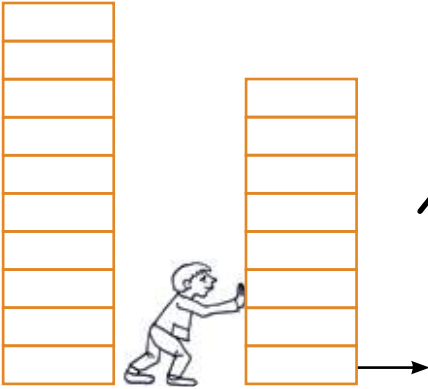
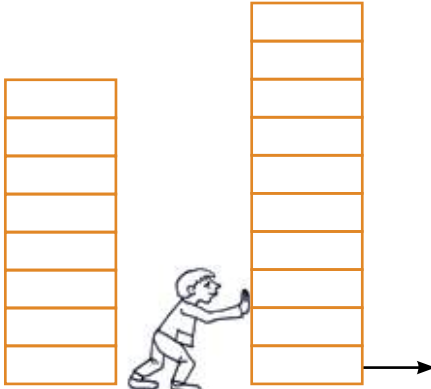


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LIITMINE JA LAHUTAMINE 18 PIRES

30. Arvuta. Ühenda. Räägi.

	$10 + 8 = \begin{array}{ c c } \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline \end{array}$	
	$18 - 8 = \begin{array}{ c c } \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline \end{array}$	

	$8 + 10 = \begin{array}{ c c } \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline \end{array}$	
	$18 - 10 = \begin{array}{ c c } \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline \end{array}$	

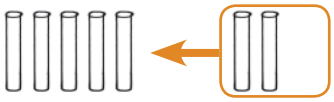
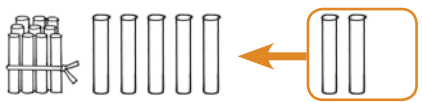
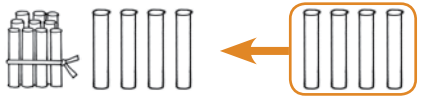
31. Kirjuta lünka sobiv arv.

K Ü	K Ü	K Ü	K Ü	K Ü	K Ü
16	6	10	11	1	10
$16 = 10 + \begin{array}{ c c } \hline & \\ \hline & \\ \hline \end{array}$			$11 = 10 + \begin{array}{ c c } \hline & \\ \hline & \\ \hline \end{array}$		
$16 = \begin{array}{ c c } \hline & \\ \hline & \\ \hline \end{array} + 6$			$11 = \begin{array}{ c c } \hline & \\ \hline & \\ \hline \end{array} + 1$		
$\begin{array}{ c c } \hline & \\ \hline & \\ \hline \end{array} = 6 + 10$			$\begin{array}{ c c } \hline & \\ \hline & \\ \hline \end{array} = 1 + 10$		

32. Arvuta. Täida lüngad.

+ 1		- 1		+ 1		- 1	
17		14			10		
14		16			17		
9		18			7		

33. Vaata joonist. Täida lüngad. Arvuta.

 K Ü K Ü K Ü <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> + <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> = <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>													 K Ü K Ü K Ü <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> + <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> = <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>												
 K Ü K Ü K Ü <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> + <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> = <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>													 K Ü K Ü K Ü <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> + <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> = <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>												

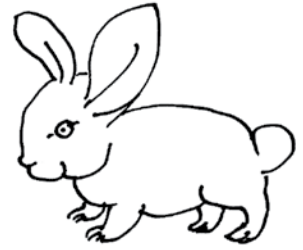
34. Arvuta.

6 + 2 = <table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>					7 + 1 = <table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>					4 + 1 = <table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>				
16 + 2 = <table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>					17 + 1 = <table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>					14 + 1 = <table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>				
5 + 3 = <table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>					4 + 3 = <table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>					8 + 0 = <table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>				
15 + 3 = <table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>					14 + 3 = <table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>					18 + 0 = <table border="1"><tr><td></td><td></td></tr><tr><td></td><td></td></tr></table>				

35. Lahenda ülesanne.

Janaril **oli** 12 jänest.

Kevadel **sündis juurde 6 jänese-poega.**



Mitu jänest on nüüd Janaril?

Andmed:

oli

 jänest

sündis juurde

 jänest

Mitu jänest?

Lahendus:

Mitu on nüüd Janaril?










Vastus: on nüüd

--	--

36. Vaata joonist. Täida lüngad. Arvuta.



K Ü

—

=



K Ü

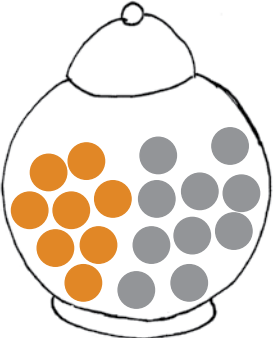
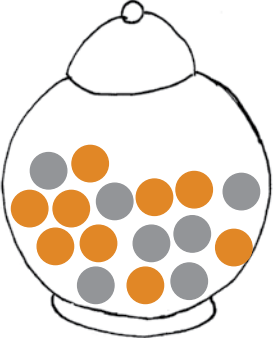
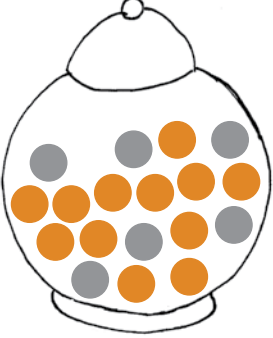
—

=

37. Arvuta.

$7 - 3 =$	$3 - 1 =$	$6 - 4 =$
$17 - 3 =$	$13 - 1 =$	$16 - 4 =$
$4 - 2 =$	$8 - 5 =$	$5 - 3 =$
$14 - 2 =$	$18 - 5 =$	$15 - 3 =$

38. Loenda kommid. Kirjuta ülesanne. Arvuta.

	Purgis on kommi. Ära võeti kaheksa kommi. =
	Purgis on kommi. Ära võeti neli kommi. =
	Purgis on kommi. Ära võeti seitse kommi. =

39. Lahenda ülesanne.

Akvaariumis oli 18 kala.

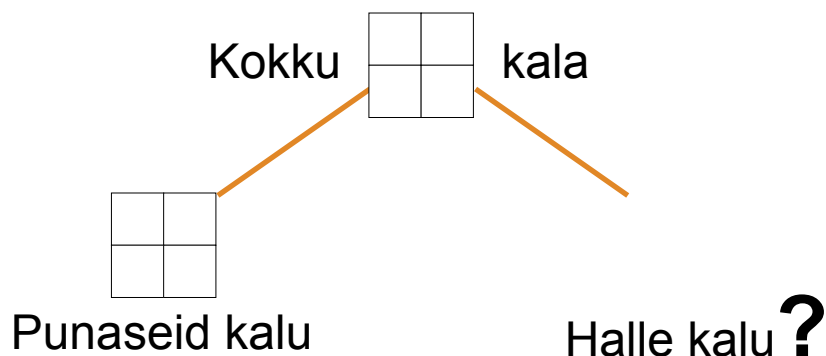
Nendest 6 kala olid punased.

Ülejäänud kalad olid hallid.

Mitu halli kala oli akvaariumis?



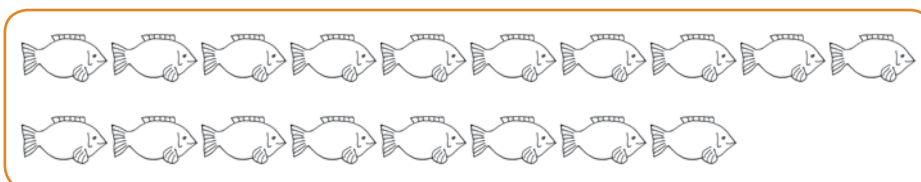
Andmed:



Joonis:

Kokku

18 kala



nendest

6 punast

? halli

Mitu halli kala oli akvaariumis?

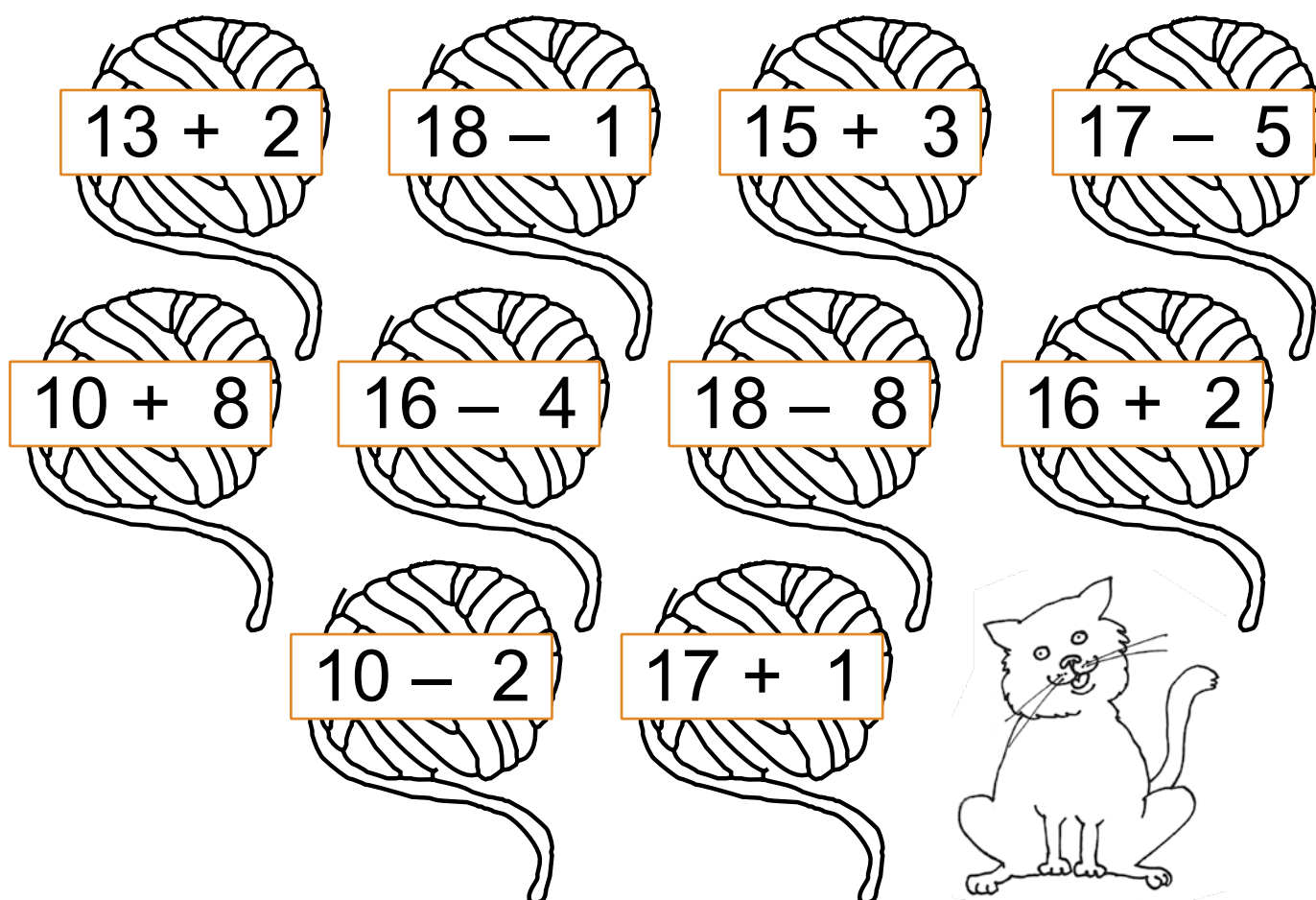
Lahendus:

Mitu kala oli akvaariumis?

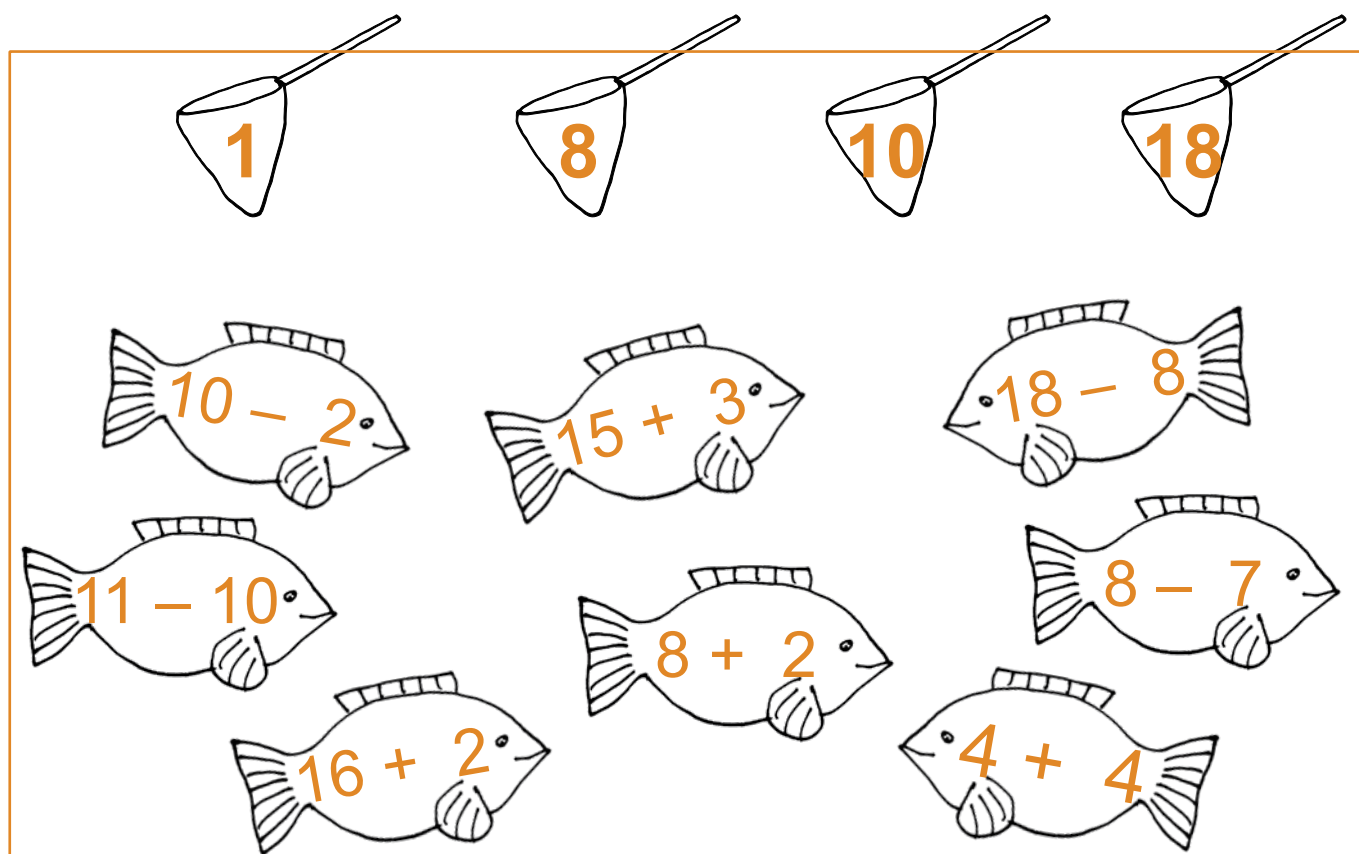
$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \text{ kala} \quad \begin{array}{|c|} \hline \\ \hline \end{array} \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \text{ kala} = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \text{ kala}$$

Vastus: Akvaariumis oli

40. Kirjuta ülesanded vihikusse. Arvuta.
Värvi lõnga-keri, kui vastus on 18.



41. Arvuta. Ühenda.



42. Kirjuta ülesanded vihikusse. Arvuta.



16

$+ 1$ →

□
□

$- 5$ →

□
□

$- 10$ →

□
□

$+ 2$ →

□
□

$- 6$ →

□
□

$- 3$ →

□
□



18

$- 4$ →

□
□

$- 10$ →

□
□

$+ 0$ →

□
□

$- 8$ →

□
□

$- 2$ →

□
□

$- 0$ →

□
□

43. Arvuta. Leia vastus. Ühenda.

$16 - 10$

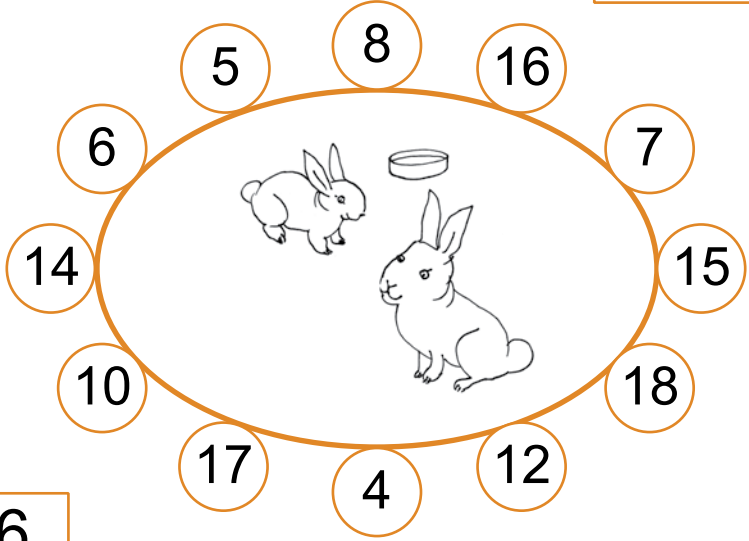
$5 + 2$

$14 + 2$

$10 - 5$

$12 - 2$

$10 - 6$



$17 - 5$

$18 - 3$

$15 + 2$

Üle jäid arvud ja

44. Arvuta. Lahenda mõistatus.

8 + 2 = **H** 10 - 6 = **D**

$10 - 3 = \dots\dots$ **R** $13 + 3 = \dots\dots$ **A**

5 + 1 = U 18 - 3 = L

$$17 - 4 = \dots\dots \text{E} \quad 10 + 4 = \dots\dots \text{V}$$

6 + 2 = **S** 18 - 7 = **T**

$15 - 10 = \dots\dots$ **A** $17 + 1 = \dots\dots$ **K**

$10 + 2 = \dots \mathbf{N}$ $10 - 1 = \dots \mathbf{G}$

$$18 - 1 = \dots$$

12	6	17		13	13	8	

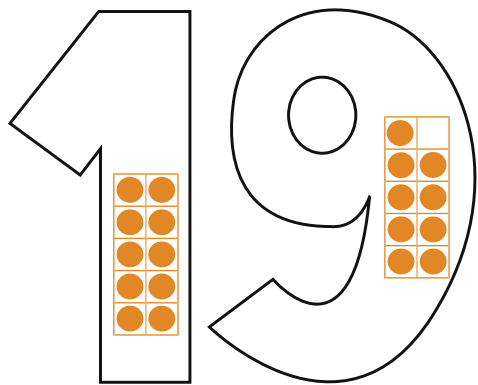
14	5	5	11		11	16	9	16

10	17	17	7	13

-

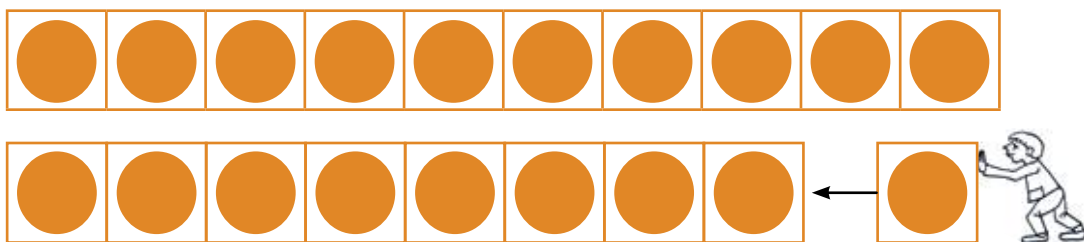
18	13	15	4	13	7

18	13	8	18	13	15

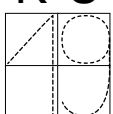
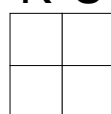
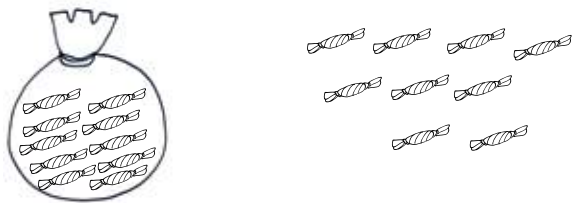
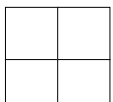
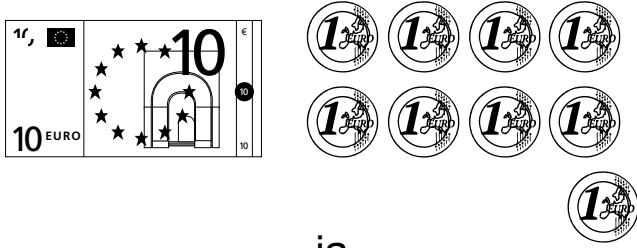
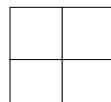


ÜHEKSATEIST

45. Vaata pilti. Räägi.



46. Vaata pilti. Täida lüngad.

 10 ja 9 1 kümneline ja 9 ühelist K Ü 	 10 ja 9 ___ kümneline ja ___ ühelist K Ü 
 ja ___ kümneline ja ___ ühelist K Ü 	 ja ___ kümneline ja ___ ühelist K Ü 

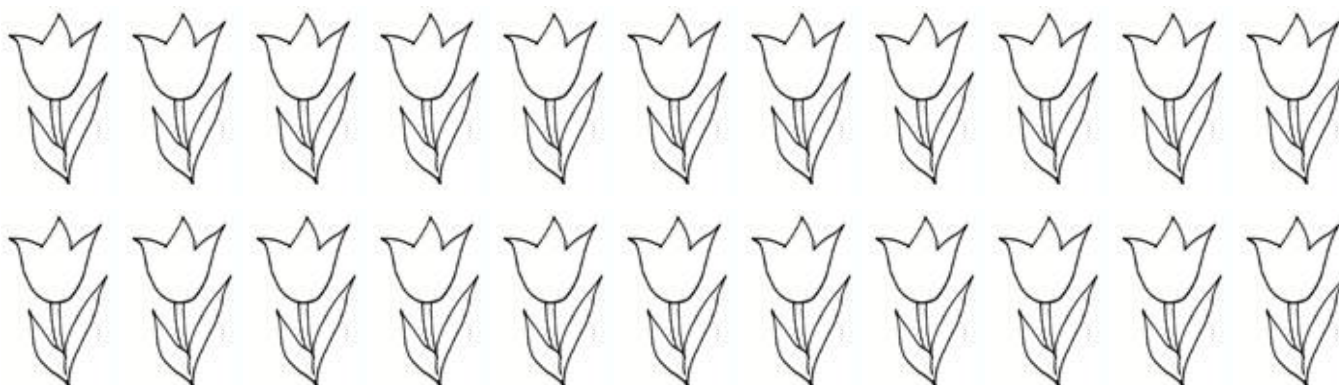
47. Jätka rida.

19	19	19	19	19	19	19	19	19
19								
19								

48. Leia ja ühenda õige arv.



49. Värvi 10 tulpi punaseks ja 9 roosaks.

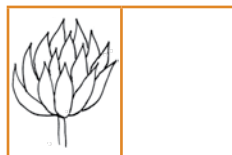


Mitu tulpi on värvitud?

Värvimata jäi tulpi.

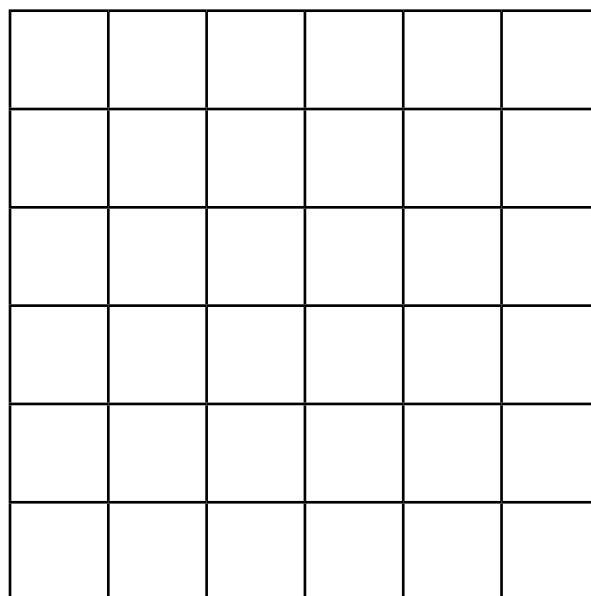
50. Mis arv on peidus? Kirjuta.

8			11	12	13	14	15	16	17	18	
---	---	---	----	----	----	----	----	----	----	----	---



51. Värv ruudud arvuga üheksa-teist.
Värv sama-sugune muster.

16	19	16	16	19	16
19	19	16	16	19	19
16	91	19	19	91	16
16	91	19	19	16	16
19	19	91	16	19	19
16	19	16	16	19	91



52. Mitu lumi-kellukese õit on pildil? Loenda. Kirjuta.



ARVURIDA 1–19

53. Loe arvu-rida.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	

54. Kirjuta antud arvule järgnev arv.

7	→	
---	---	-------------

13	→	
----	---	-------------

18	→	
----	---	-------------

10	→	
----	---	-------------

55. Kirjuta antud arvule eelnev arv.

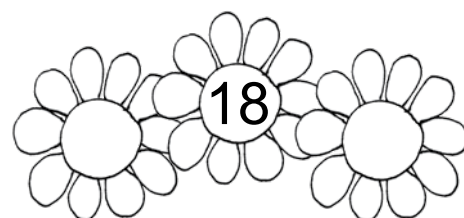
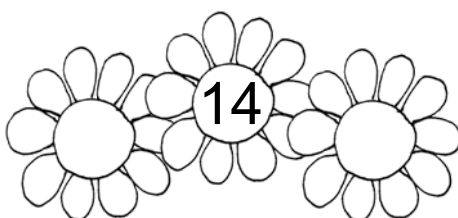
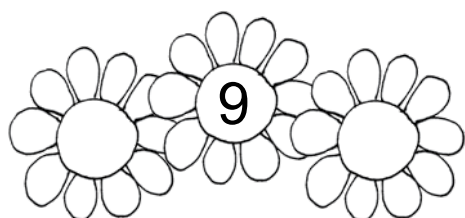
	←	10
-------------	---	----

	←	8
-------------	---	---

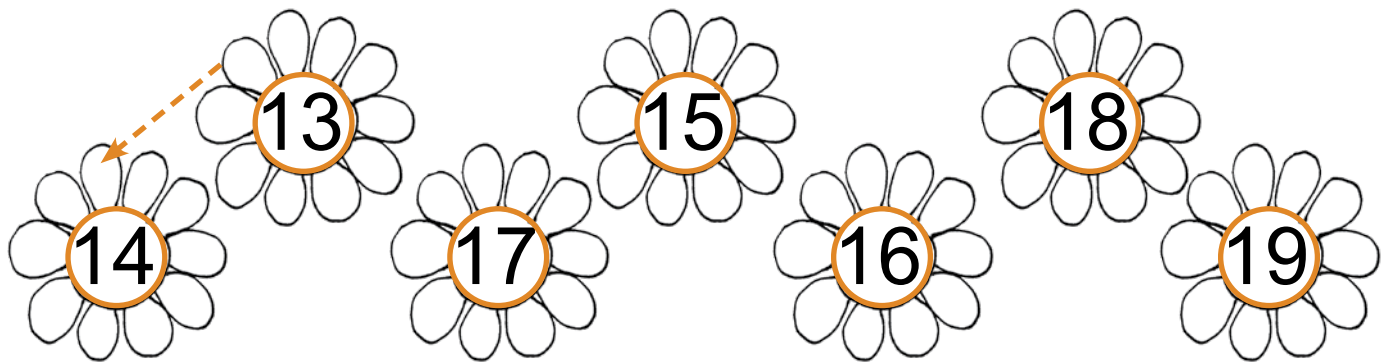
	←	19
-------------	---	----

	←	14
-------------	---	----

56. Kirjuta antud arvule eelnev ja järgnev arv.



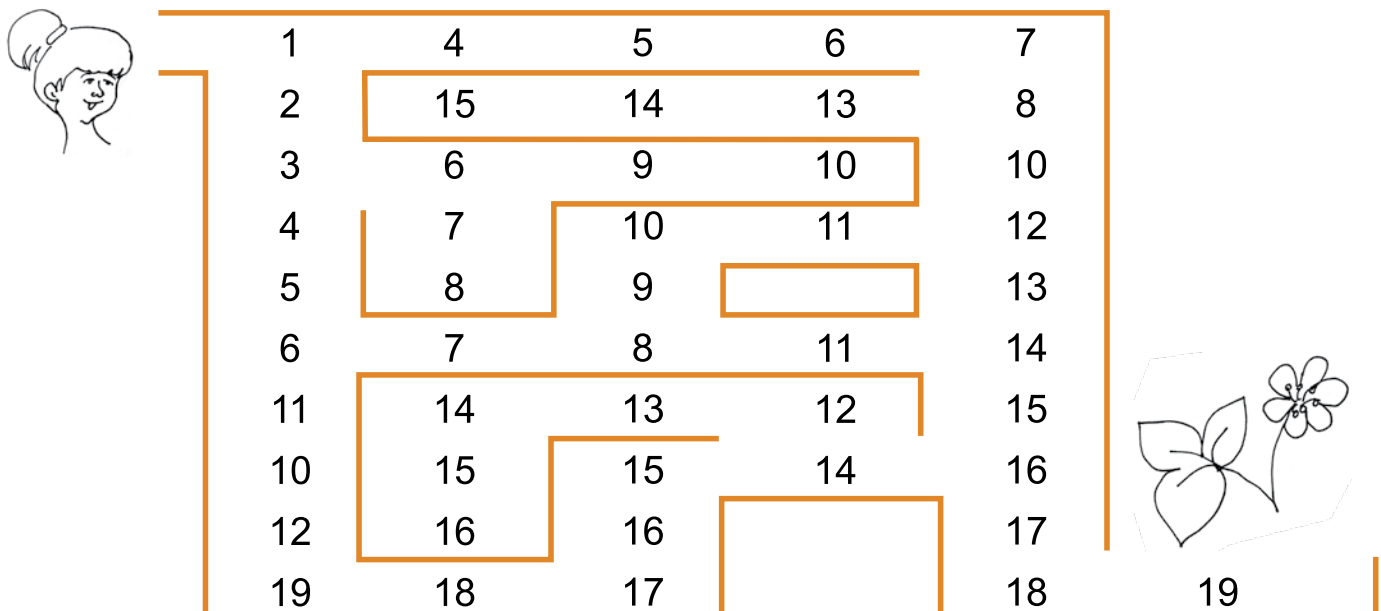
57. Ühenda joonega arvu-rida.



58. Kirjuta puuduvad arvud arvu-reas.



59. Leia tee (1–19) sini-lilleni.



ARVU 19 KÜMNENDKOOSTIS

60. Vasta küsimustele. Täida lüngad.



Mitu lindude pesa-kasti on pildil?

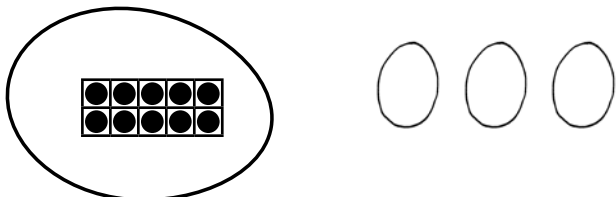
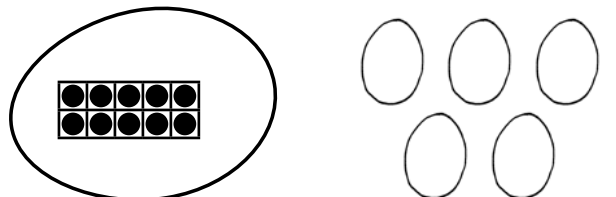
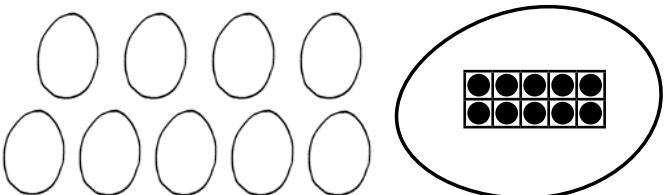
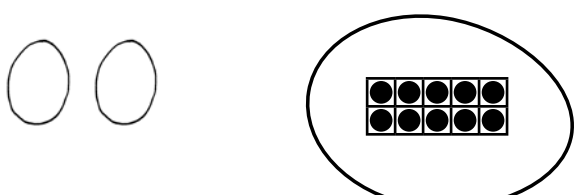
Mitu pesa-kasti vajab paigaldamist?

Mitu pesa-kasti on juba paigaldatud?

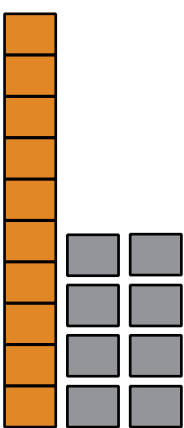
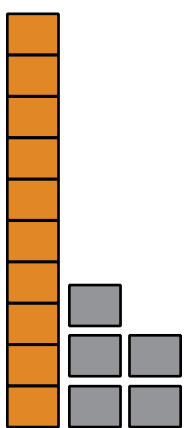
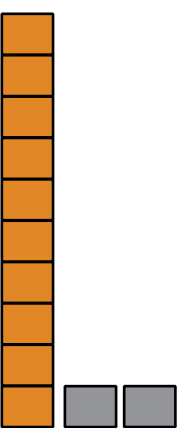
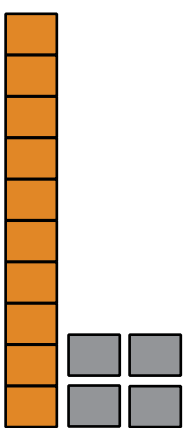
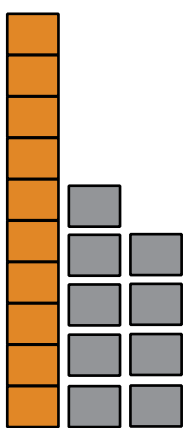
19 on ja

10 ja on 19.

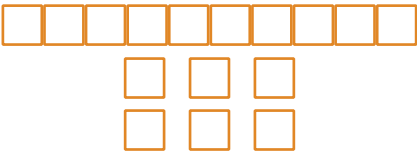
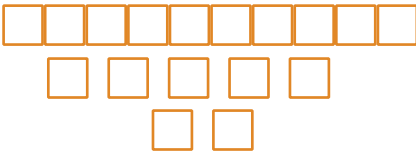
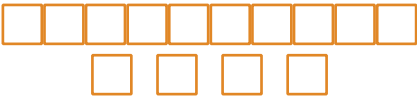
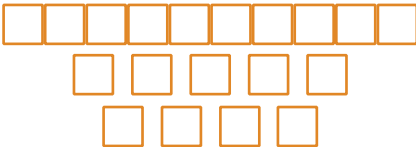
61. Kirjuta pildi järgi arvud.

 K Ü <table border="1" style="width: 40px; height: 40px; margin: 0 auto;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> K Ü <table border="1" style="width: 40px; height: 40px; margin: 0 auto;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> K Ü <table border="1" style="width: 40px; height: 40px; margin: 0 auto;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>													 K Ü <table border="1" style="width: 40px; height: 40px; margin: 0 auto;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> K Ü <table border="1" style="width: 40px; height: 40px; margin: 0 auto;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> K Ü <table border="1" style="width: 40px; height: 40px; margin: 0 auto;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>												
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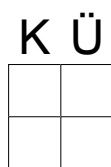
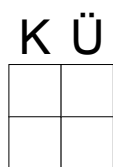
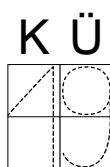
62. Mis arv on pildil? Kirjuta arvu kümneline ja ühelised.

 K Ü K Ü	 K Ü K Ü	 K Ü K Ü	 K Ü K Ü	 K Ü K Ü																				
<table border="1" style="width: 40px; height: 40px; margin: 0 auto;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>					<table border="1" style="width: 40px; height: 40px; margin: 0 auto;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>					<table border="1" style="width: 40px; height: 40px; margin: 0 auto;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>					<table border="1" style="width: 40px; height: 40px; margin: 0 auto;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>					<table border="1" style="width: 40px; height: 40px; margin: 0 auto;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>				

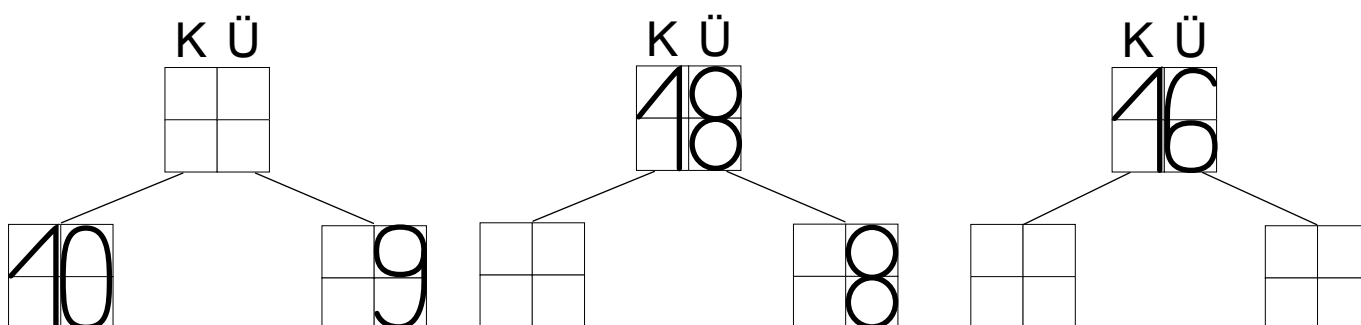
63. Leia arv kümnelise ja üheliste järgi.

 14 16 13 ○ ○ ○	 18 17 16 ○ ○ ○	 14 13 12 ○ ○ ○
 12 14 15 ○ ○ ○	 18 16 19 ○ ○ ○	 17 18 16 ○ ○ ○

64. Kirjuta pildi järgi arvud. Loe saadud arvud.



65. Kirjuta arvu asendajad.



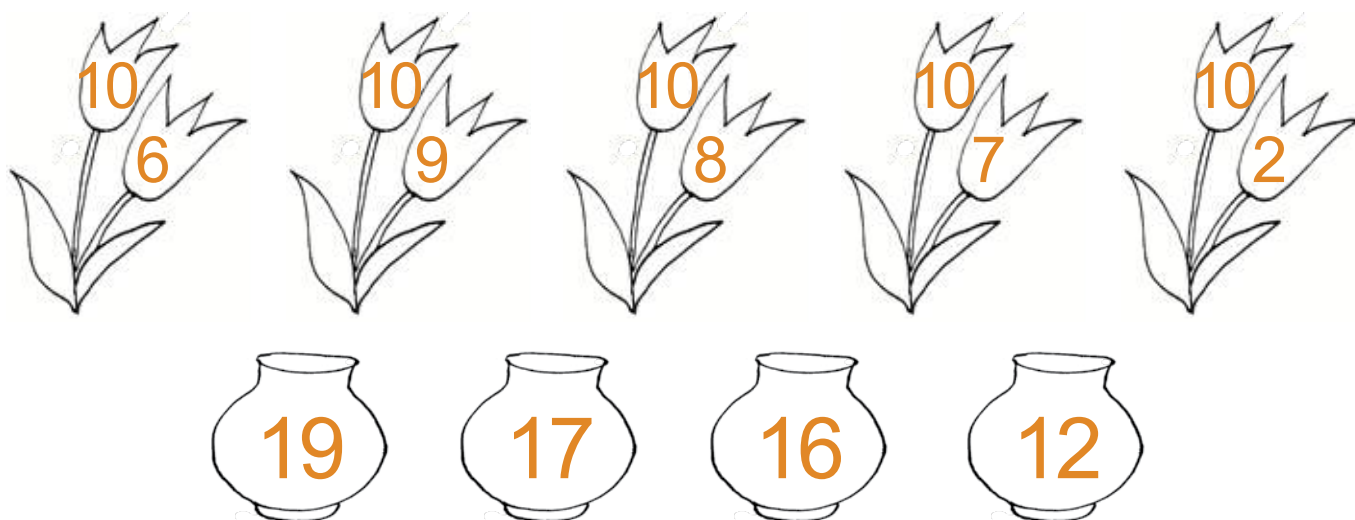
66. Kirjuta arvu kümneline ja ühelised.

Arv	Kümnelist	Ühelist	Arv	Kümnelist	Ühelist
12			15		
16			19		
18			14		

67. Kirjuta arv kümnelise ja üheliste järgi.

Arv	Kümnelist	Ühelist	Arv	Kümnelist	Ühelist
		3		1	8
	1	9		1	1
	1	0			7

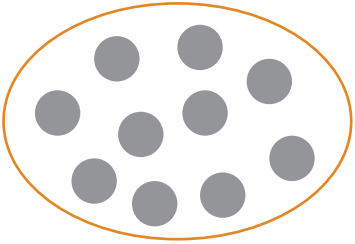
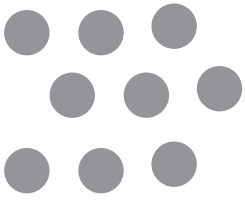
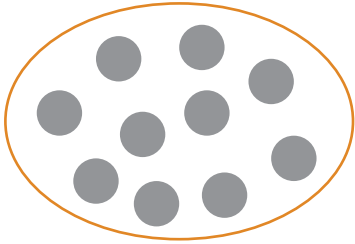
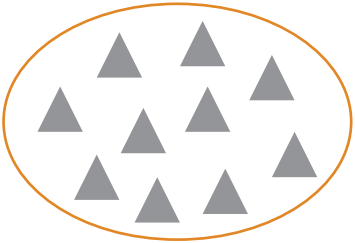
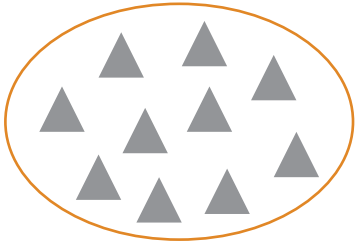
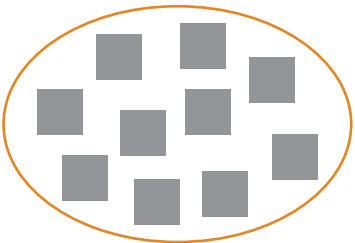
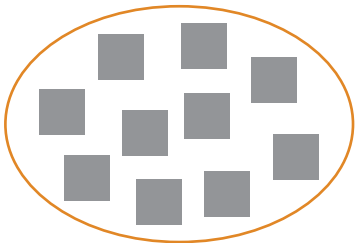
68. Ühenda lilled ja vaas. Loe vaasidel olevad arvud.



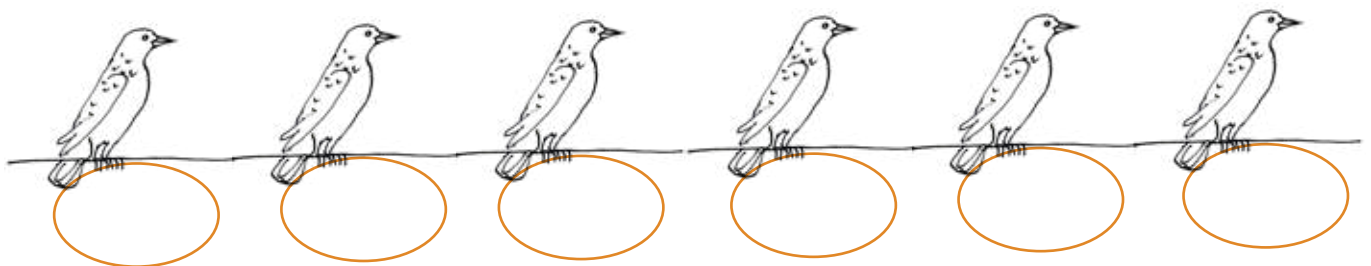
Puudu jäi vaas number

VÕRDLEMINE 19 PIRES

69. Loenda. Kirjuta. Võrdle (>, <, =).

 	 								
<table border="1" style="display: inline-table; width: 40px; height: 40px; vertical-align: middle;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> ○ <table border="1" style="display: inline-table; width: 40px; height: 40px; vertical-align: middle;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>									
 	 								
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<table border="1" style="display: inline-table; width: 40px; height: 40px; vertical-align: middle;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> ○ <table border="1" style="display: inline-table; width: 40px; height: 40px; vertical-align: middle;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>									

Reasta saadud arvud alates suuremast.



Kuld-nokk on-kuulutaja.

(talve, kevade, suve, sügise)

70. Loenda. Täida lüngad.



Laul on

 värvitud ja

 värvimata muna.

Värvitud mune on

rohkem

Värvimata mune on

vähem

71. Võrdle (>, <, =).

13 19

17 10

19 11

18 6

12 12

14 18

72. Täida lüngad.

19 17 >	12 16 >	18 9 <	10 19 <
14 10 <	15 5 <	19 18 >	11 13 >

73. Kirjuta sobivad arvud.

$\begin{array}{ c c }\hline & \\ \hline & \\ \hline\end{array} > 15$	$\begin{array}{ c c }\hline & \\ \hline & \\ \hline\end{array} = 13$	$\begin{array}{ c c }\hline & \\ \hline & \\ \hline\end{array} < 12$
$\begin{array}{ c c }\hline & \\ \hline & \\ \hline\end{array} > 11$	$\begin{array}{ c c }\hline & \\ \hline & \\ \hline\end{array} < 16$	$\begin{array}{ c c }\hline & \\ \hline & \\ \hline\end{array} > 9$
$18 < \begin{array}{ c c }\hline & \\ \hline & \\ \hline\end{array}$	$17 > \begin{array}{ c c }\hline & \\ \hline & \\ \hline\end{array}$	$14 > \begin{array}{ c c }\hline & \\ \hline & \\ \hline\end{array}$
$10 > \begin{array}{ c c }\hline & \\ \hline & \\ \hline\end{array}$	$7 < \begin{array}{ c c }\hline & \\ \hline & \\ \hline\end{array}$	$19 = \begin{array}{ c c }\hline & \\ \hline & \\ \hline\end{array}$

74. Vali lünka sobivad arvud.

<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px 10px;">17</td> <td style="padding: 5px 10px;">14</td> </tr> <tr> <td style="padding: 5px 10px;">11</td> <td style="padding: 5px 10px;">19</td> </tr> </table> < < <	17	14	11	19	<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px 10px;">18</td> <td style="padding: 5px 10px;">10</td> </tr> <tr> <td style="padding: 5px 10px;">9</td> <td style="padding: 5px 10px;">12</td> </tr> </table> > > >	18	10	9	12
17	14								
11	19								
18	10								
9	12								

75. Kirjuta arvud õigesse lahtrisse.

SUUREMAD KUI 14	VÄIKSEMAD KUI 14																				
<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>											<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> <tr> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> <td style="width: 20px; height: 20px;"></td> </tr> </table>										



LIITMINE JA LAHUTAMINE 19 PIRES

76. Arvuta. Ühenda. Räägi.

$10 + 9 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline \end{array}$

$19 - 9 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline \end{array}$

$9 + 10 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline \end{array}$

$19 - 10 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline & \\ \hline & \\ \hline \end{array}$

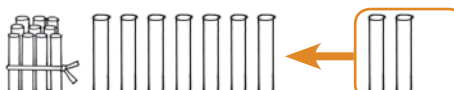
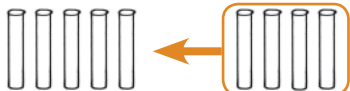
77. Kirjuta lünka sobiv arv.

K Ü 18	K Ü 8	K Ü 10	K Ü 10	K Ü 15	K Ü 5
$18 = 10 + \begin{array}{ c c } \hline & \\ \hline & \\ \hline \end{array}$			$15 = 10 + \begin{array}{ c c } \hline & \\ \hline & \\ \hline \end{array}$		
$18 = \begin{array}{ c c } \hline & \\ \hline & \\ \hline \end{array} + 8$			$15 = \begin{array}{ c c } \hline & \\ \hline & \\ \hline \end{array} + 5$		
$\begin{array}{ c c } \hline & \\ \hline & \\ \hline \end{array} = 8 + 10$			$\begin{array}{ c c } \hline & \\ \hline & \\ \hline \end{array} = 5 + 10$		

78. Arvuta. Kirjuta vastus.

+ 1		- 1		+ 1		- 1	
12		10			9		
18		17			18		
15		19			13		

79. Vaata joonist. Täida lüngad. Arvuta.

 K Ü K Ü K Ü <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> + <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> = <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>													 K Ü K Ü K Ü <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> + <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> = <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>												
 K Ü K Ü K Ü <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> + <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> = <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>													 K Ü K Ü K Ü <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> + <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> = <table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>												

80. Arvuta.

$6 + 3 =$	$7 + 1 =$	$3 + 5 =$
$16 + 3 =$	$17 + 1 =$	$13 + 5 =$
$5 + 4 =$	$4 + 2 =$	$8 + 1 =$
$15 + 4 =$	$14 + 2 =$	$18 + 1 =$

81. Lahenda ülesanne.

Helenil on 10 kuller-kuppu.

Taavil on 9 kuller-kuppu.

Mitu lille on lastel kokku?



Andmed:

..... on

 kuller-kuppu

..... on

 kuller-kuppu

..... lille on kokku?

Lahendus: Mitu lille on

 kuller-kuppu

 kuller-kuppu =

 kuller-kuppu

Vastus: on

82. Arvuta. Leia ülesandele õige maja.

13				
1	0	+		3
		+		

15				
		+		
		+		

17				
		+		
		+		

$10 + 3 = \dots$

$16 + 1 = \dots$

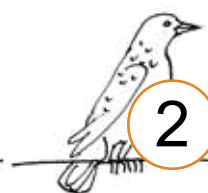
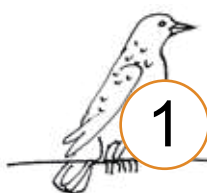
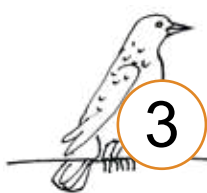
$13 + 2 = \dots$

$14 + 3 = \dots$

$12 + 3 = \dots$

$12 + 1 = \dots$

83. Sobita pesa-kast ja kuld-nokk.



		+		=	1	9
--	--	---	--	---	---	---

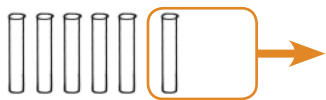
		+		=	1	9
--	--	---	--	---	---	---

		+		=	1	9
--	--	---	--	---	---	---

		+		=	1	9
--	--	---	--	---	---	---

Üle jäi kuld-nokk number

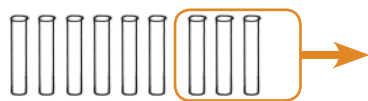
84. Vaata joonist. Täida lüngad. Arvuta.



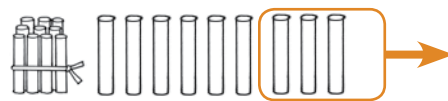
K	Ü				
		-		=	



K	Ü				
		-		=	



K	Ü				
		-		=	

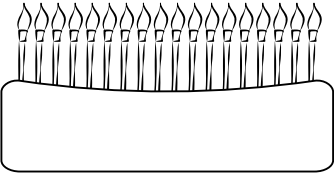
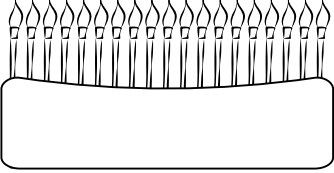
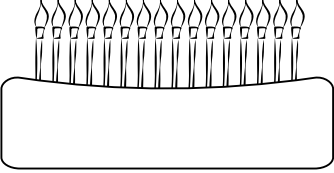
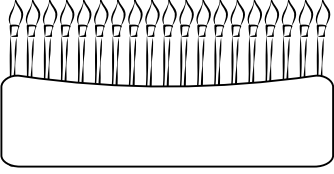


K	Ü				
		-		=	

85. Arvuta.

$9 - 2 =$	$8 - 6 =$	$7 - 2 =$
$19 - 2 =$	$18 - 6 =$	$17 - 2 =$
$5 - 5 =$	$19 - 5 =$	$6 - 3 =$
$15 - 5 =$	$19 - 5 =$	$16 - 3 =$

86. Loenda. Kirjuta ülesanne. Arvuta.

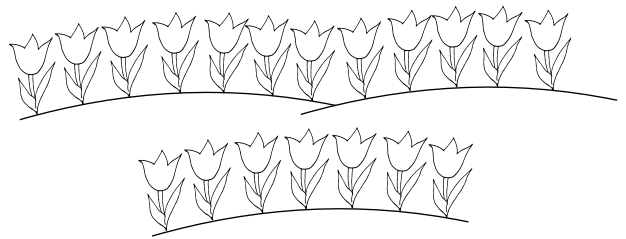
	Topsis on pintsliit. Ära võeti kümme pintsliit.
	Topsis on pintsliit. Ära võeti kaks pintsliit.
	Topsis on pintsliit. Ära võeti kuus pintsliit.
	Topsis on pintsliit. Ära võeti kaheksa pintsliit.

87. Lahenda ülesanne.

Peenral õitseb 19 lille.

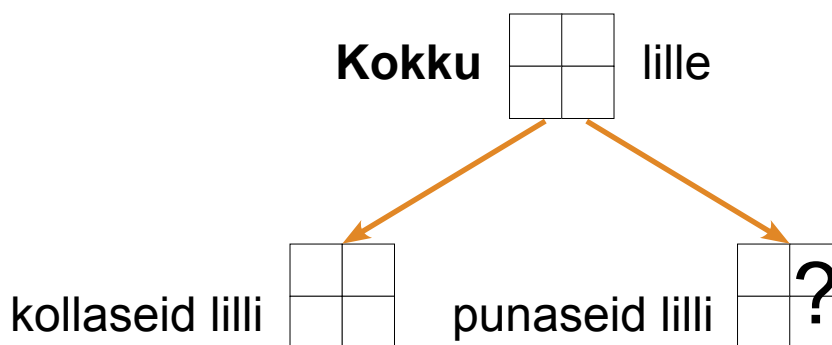
Nendest 5 lille on kollased.

Ülejäänud lilled on punased.



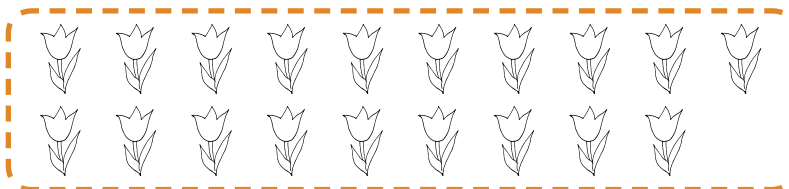
Mitu punast lille õitseb peenral?

Andmed:



Joonis:

Kokku
19 lille



nendest
5 kollast lille
? punast lille

Lahendus:

Mitu lille õitseb peenral?

$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \text{ lille} \quad \begin{array}{|c|} \hline \\ \hline \end{array} \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \text{ lille} = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \text{ lille}$$

Vastus: õitseb

 lille.

90. Arvuta. Reasta vastused alates väiksemast.

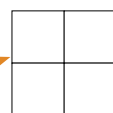
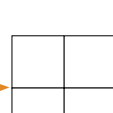
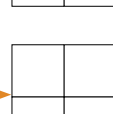
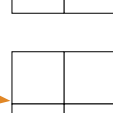
 $13 + 2$ 	 $18 - 5$ 
 $18 - 10$ 	 $11 + 1$ 
 $19 - 3$ 	 $19 - 8$ 
 $18 + 1$ 	 $10 + 4$ 



91. Kirjuta ülesanded vihikusse. Arvuta.

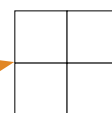
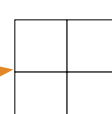
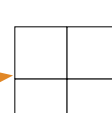
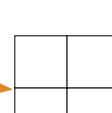
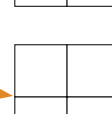
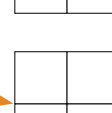


17

- $- 10$ → 
- $+ 1$ → 
- $- 5$ → 
- $- 7$ → 
- $+ 2$ → 
- $- 3$ → 



19

- $- 2$ → 
- $- 4$ → 
- $- 10$ → 
- $+ 0$ → 
- $- 8$ → 
- $- 6$ → 

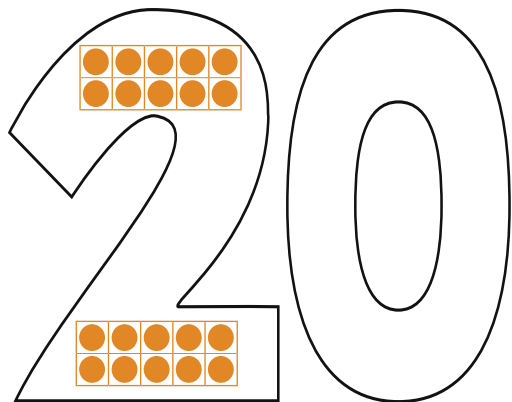
92. Arvuta. Lahenda mõistatus.

$16 + 2 = \dots$	I	$19 - 3 = \dots$	T
$10 - 6 = \dots$	S	$13 + 2 = \dots$	O
$11 + 1 = \dots$	D	$18 - 4 = \dots$	K
$19 - 2 = \dots$	L	$15 + 4 = \dots$	A
$10 + 0 = \dots$	G	$18 - 5 = \dots$	E
$19 - 10 = \dots$	R	$10 + 1 = \dots$	Ä

15	9	19	13	13	4	
						,

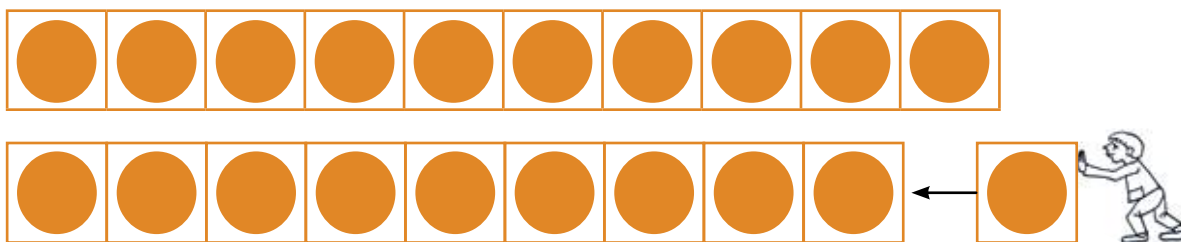
14	11	11	9	18	12	16	19	10	19	
										,

14	13	9	19	14	13	4	14	13	17	
										.

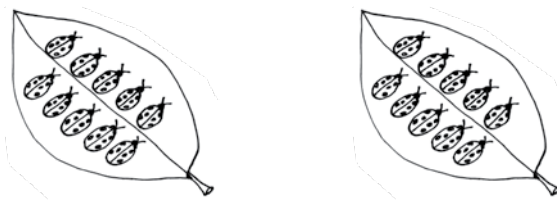
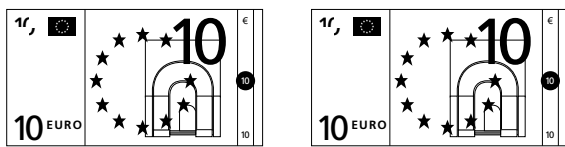


KAKSKÜMMEND

93. Vaata pilti. Räägi.



94. Vaata näidet. Täida lüngad.

 20 2 kümnelist 0 ühelist K Ü 2 0	 ___ kümnelist K Ü ___ ühelist
 ___ kümnelist K Ü ___ ühelist 	 ___ kümnelist K Ü ___ ühelist

95. Jätka rida.

20	20	20	20	20	20	20	20	20
20								
20								

96. Leia õigesti kirjutatud arv. Ühenda joonega.



97. Mis arv on peidus?

9		11	12	13	14	15	16	17	18	19	
---	---	----	----	----	----	----	----	----	----	----	---

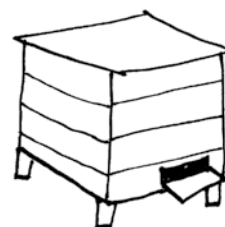
	
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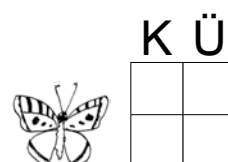
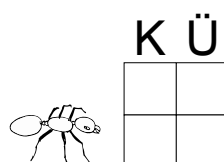
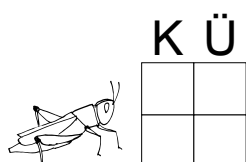
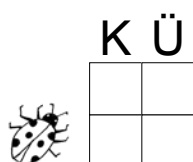
98. Leia mesilase tee oma taruni.

Liigu mööda numbrit kaks-kümmend (1, –).

19	20	02	10			
18	20	20	20	10		
20	20	10	20	19	02	20
20	02	19	20	18	19	10
		02	20	20	20	20
		20	02	02	20	10



99. Loenda. Kirjuta.



ARVURIDA 1–20

100. Loe arvu-rida.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20

101. Kirjuta antud arvule järgnev arv.

16	→		19	→	
5	→		12	→	

102. Kirjuta antud arvule eelnev arv.

	←	11		←	4
	←	16		←	20

103. Kirjuta antud arvule eelnev ja järgnev arv.

	←	12	→	
	←	19	→	

104. Ühenda joonega arvu-rida.



105. Aita rohu-tirts aasale.

Kirjuta üle numbrid 1 kuni 20. Liigu (l, –).



		1	2	8	9
		7	3	4	5
3	5	11	10	9	6
14	13	12	6	8	7
15	6	19	20		
16	17	18	2		



106. Kirjuta puuduvad arvud arvu-reas.



→

12		14						
----	--	----	--	--	--	--	--	--



← →

			16				
--	--	--	----	--	--	--	--



←

							19	
--	--	--	--	--	--	--	----	--

ARVU 20 KÜMNENDKOOSTIS

107. Vasta küsimustele. Täida lüngad.



Mitu putukat on pildil?

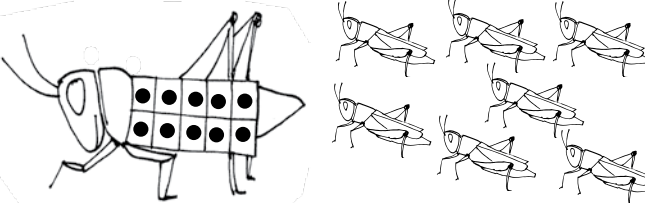
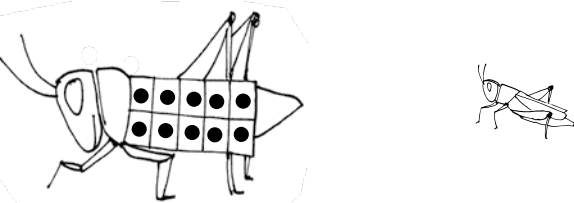
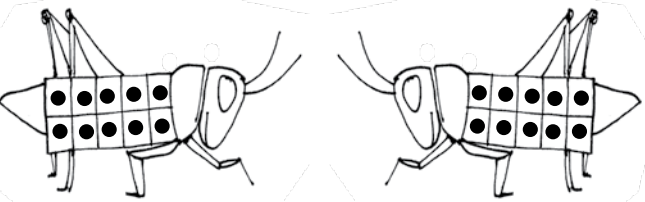
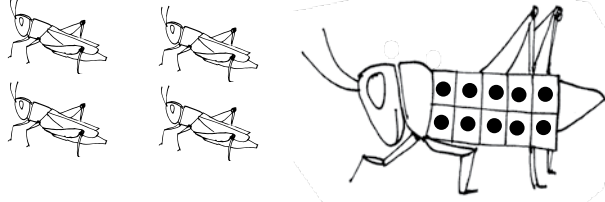
Mitu mesilast on pildil?

Mitu liblikat on pildil?

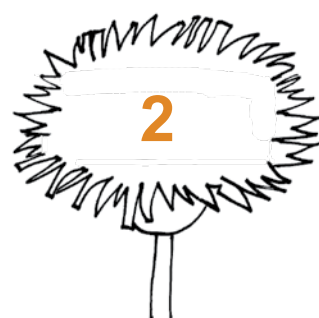
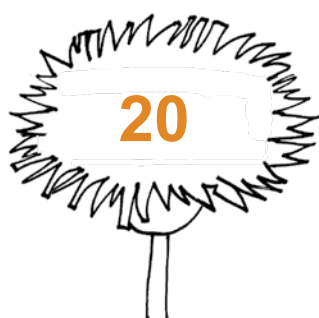
20 on ja

10 ja on 20.

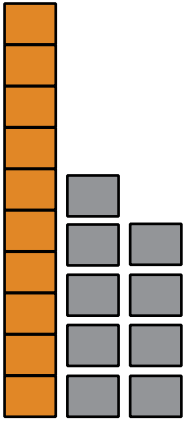
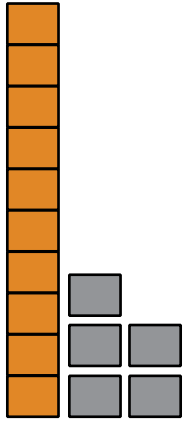
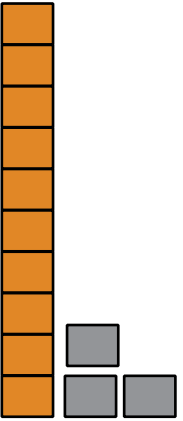
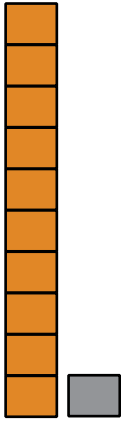
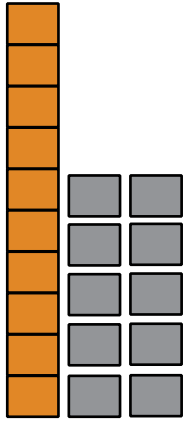
108. Kirjuta pildi järgi arvud.

 K Ü <table border="1" style="width: 40px; height: 40px;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> K Ü <table border="1" style="width: 40px; height: 40px;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> K Ü <table border="1" style="width: 40px; height: 40px;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>													 K Ü <table border="1" style="width: 40px; height: 40px;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> K Ü <table border="1" style="width: 40px; height: 40px;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> K Ü <table border="1" style="width: 40px; height: 40px;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>												
 K Ü <table border="1" style="width: 40px; height: 40px;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> K Ü <table border="1" style="width: 40px; height: 40px;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> K Ü <table border="1" style="width: 40px; height: 40px;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>													 K Ü <table border="1" style="width: 40px; height: 40px;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> K Ü <table border="1" style="width: 40px; height: 40px;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table> K Ü <table border="1" style="width: 40px; height: 40px;"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>												

109. Leia liblikale õige lille-õis. Ühenda.



110. Mis arv on pildil? Kirjuta.

 K Ü	 K Ü	 K Ü	 K Ü	 K Ü

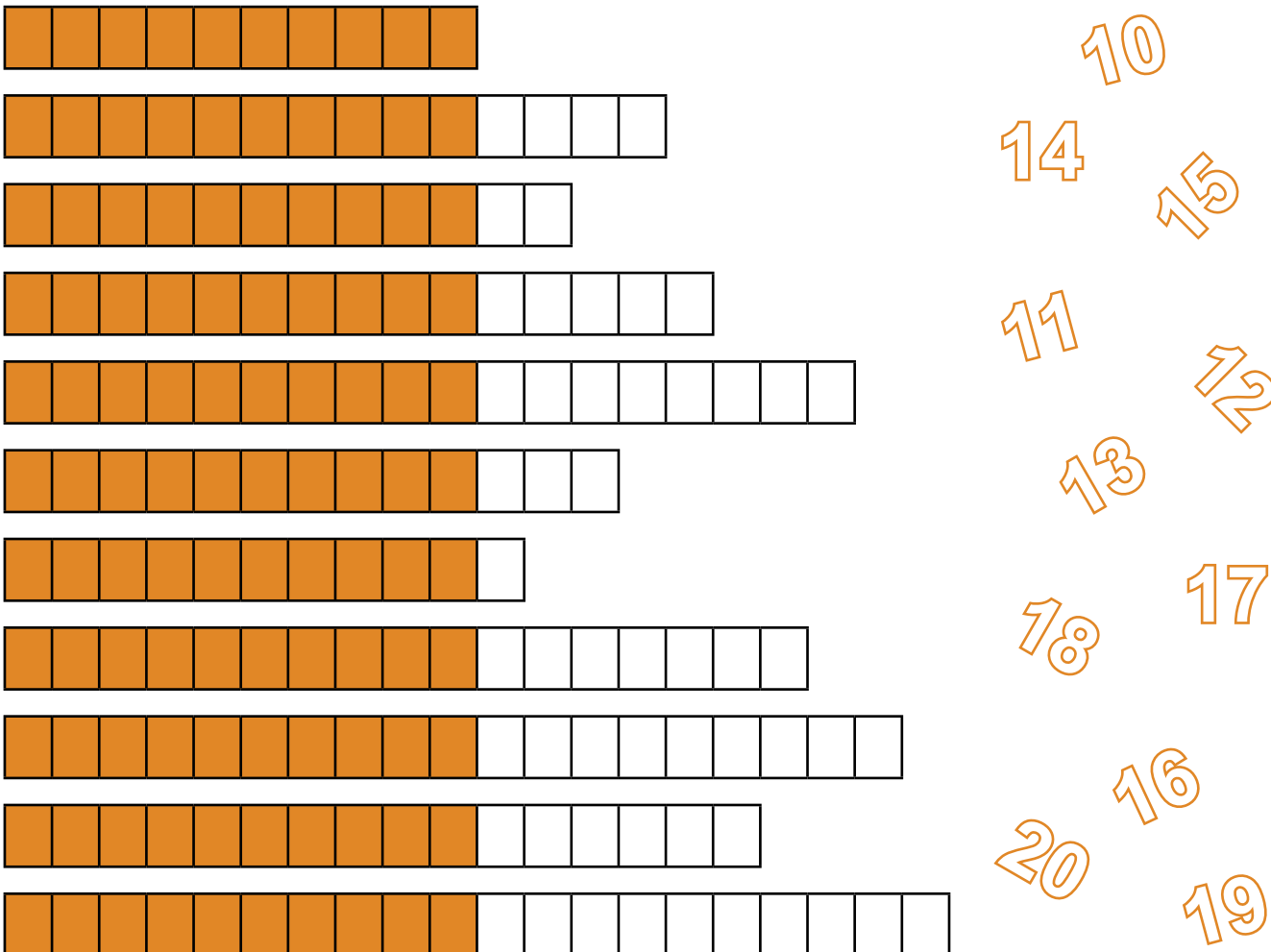
111. Kirjuta arvu asendajad.

K Ü		K Ü		K Ü	

112. Täida tabel.

1.	kolm-teist	13	K
2.	kuus-teist		
3.	kaks-kümmend		
4.	seitse-teist		
5.	kümme		
6.	kaks-teist		

113. Leia arv kümnelise ja üheliste järgi. Ühenda.



114. Täida tabelid.

Arv	Kümmnelist	Ühelist
1 2		
2 0		

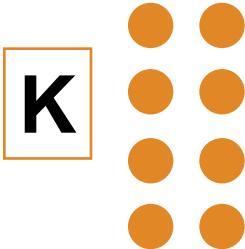
Arv	Kümmelist	Ühelist
10		
2		

Arv	Kümmelist	Ühelist
		3
	1	9

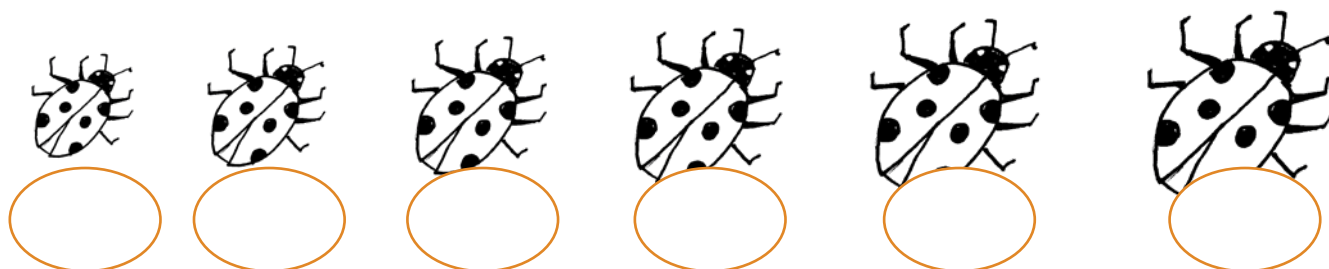
Arv	Kümmelist	Ühelist
	2	0
	1	1

VÖRDLEMIN 20 PIRES

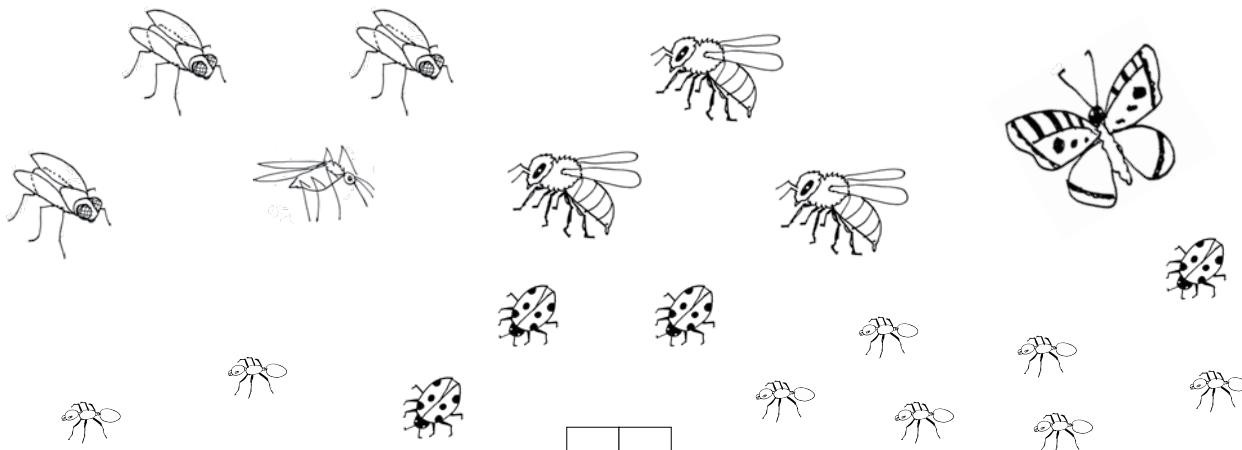
115. Kirjuta arvud. Võrdle (>, <, =).

Reasta saadud arvud.



116. Loenda. Täida lüngad.



Lendavaid putukaid on

 .

Lendavaid putukaid on kui sipelgaid.

(rohkem, vähem)

117. Võrdle (>, <, =).

10 19

17 15

19 11

20 12

13 16

10 20

118. Täida lüngad.

15 13 >	12 16 >	11 20 <	10 13 <
20 17 <	19 5 <	18 9 >	19 20 >

119. Kirjuta sobivad arvud.

$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} < 14 \quad \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} > 12 \quad \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} = 20$$

$$20 > \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \quad 18 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \quad 19 > \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$$

120. Vali lünka sobivad arvud.

<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px 10px;">20</td> <td style="padding: 5px 10px;">15</td> </tr> <tr> <td style="padding: 5px 10px;">19</td> <td style="padding: 5px 10px;">9</td> </tr> </table> < < <	20	15	19	9	<table border="1" style="margin: auto; border-collapse: collapse;"> <tr> <td style="padding: 5px 10px;">20</td> <td style="padding: 5px 10px;">10</td> </tr> <tr> <td style="padding: 5px 10px;">2</td> <td style="padding: 5px 10px;">12</td> </tr> </table> > > >	20	10	2	12
20	15								
19	9								
20	10								
2	12								

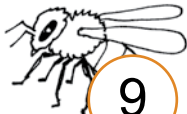
121. Ühenda arvud õigesti.



11



18

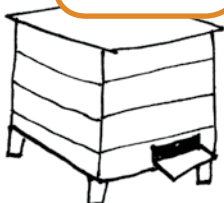


9

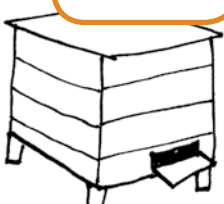


17

15 >



15 <





20



14



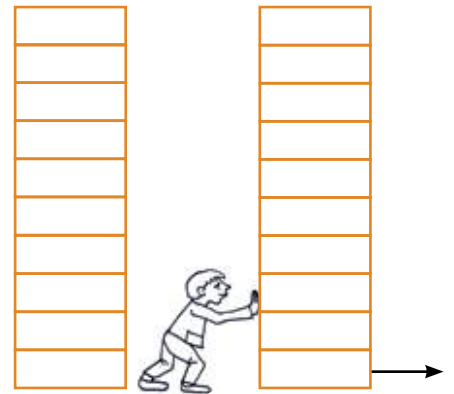
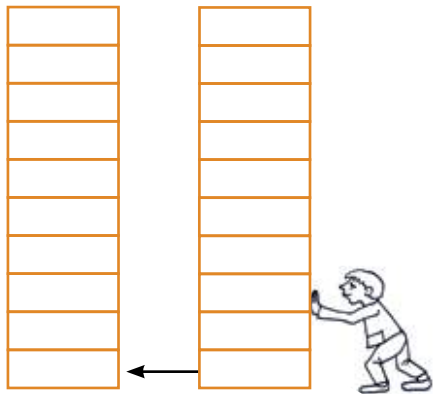
5



16

LIITMINE JA LAHUTAMINE 20 PIIRES

122. Vaata pilti. Kirjuta ülesanne.



 $-$

 $=$

123. Kirjuta lünka sobivad arvud.

6	20	9	40	2	4	8

$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} + 10 = \begin{array}{|c|c|} \hline 1 & 9 \\ \hline & \\ \hline \end{array}$$

$$18 = 10 + \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$$


 $+ 10 = 12$

$$11 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} + 1$$

$$10 + \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} = 20$$

$$1 = \text{hook} + \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$$

$$10 + \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} = 14$$

$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} = 10 + 10$$

 + 5 = 15

$$16 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} + 10$$

124. Vaata joonist. Täida lüngad.

	$\begin{array}{ c c } \hline K & \ddot{U} \\ \hline \hline \hline \end{array} + \begin{array}{ c c } \hline K & \ddot{U} \\ \hline \hline \hline \end{array} = \begin{array}{ c c } \hline K & \ddot{U} \\ \hline \hline \hline \end{array}$
	$\begin{array}{ c c } \hline K & \ddot{U} \\ \hline \hline \hline \end{array} + \begin{array}{ c c } \hline K & \ddot{U} \\ \hline \hline \hline \end{array} = \begin{array}{ c c } \hline K & \ddot{U} \\ \hline \hline \hline \end{array}$

125. Arvuta. Leia ülesandele õige maja.

16	17	18																																													
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td>1</td><td>4</td><td>+</td><td></td><td>2</td></tr> <tr><td></td><td></td><td>+</td><td></td><td></td></tr> <tr><td></td><td></td><td>+</td><td></td><td></td></tr> </table>	1	4	+		2			+					+			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td></td><td></td><td>+</td><td></td><td></td></tr> <tr><td></td><td></td><td>+</td><td></td><td></td></tr> <tr><td></td><td></td><td>+</td><td></td><td></td></tr> </table>			+					+					+			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr><td></td><td></td><td>+</td><td></td><td></td></tr> <tr><td></td><td></td><td>+</td><td></td><td></td></tr> <tr><td></td><td></td><td>+</td><td></td><td></td></tr> </table>			+					+					+		
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$14 + 2 = \dots$ $15 + 3 = \dots$ $12 + 5 = \dots$
 $16 + 1 = \dots$ $11 + 5 = \dots$ $14 + 4 = \dots$
 $10 + 8 = \dots$ $13 + 3 = \dots$ $15 + 2 = \dots$

126. Leia ja värvi 2 kohakuti olevat arvu, mille summa on 19.

10	2	5	2	3	1	3	13
9	11	1	17	14	3	1	6
3	8	11	1	5	4	18	2

Kontrolli, kas sa said 6 paari.

127. Arvuta. Mis sõna on peidus?

$$\begin{array}{rclcl}
 14 + 3 & = & \dots\dots & \mathbf{P} & 12 + 6 & = & \dots\dots & \mathbf{I} \\
 11 + 1 & = & \dots\dots & \mathbf{L} & 11 + 2 & = & \dots\dots & \mathbf{G} \\
 10 + 4 & = & \dots\dots & \mathbf{S} & 13 + 3 & = & \dots\dots & \mathbf{E} \\
 16 + 3 & = & \dots\dots & \mathbf{A} & 10 + 1 & = & \dots\dots & \mathbf{S}
 \end{array}$$

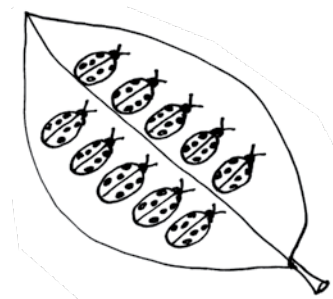
14	18	17	16	12	13	19	11

128. Lahenda ülesanne.

Ühel puu-lehel on 10 lepa-triinut.

Teisel lehel on sama palju.

Mitu lepa-triinut on kahel lehel kokku?



Andmed:

ühel lehel

teisel lehel

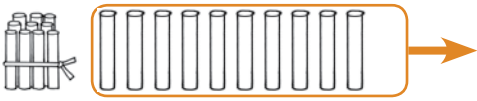
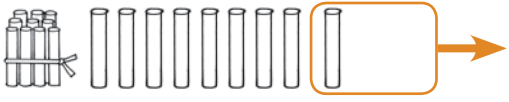
Mitu on?

Lahendus: Mitu?

<table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>					lepa-triinut	<table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>					lepa-triinut	=	<table border="1"> <tr><td></td><td></td></tr> <tr><td></td><td></td></tr> </table>					

Vastus: on

129. Vaata joonist. Täida lüngad.

	$\begin{array}{ c c } \hline K & \ddot{U} \\ \hline \hline \hline \end{array} - \begin{array}{ c c } \hline K & \ddot{U} \\ \hline \hline \hline \end{array} = \begin{array}{ c c } \hline K & \ddot{U} \\ \hline \hline \hline \end{array}$
	$\begin{array}{ c c } \hline K & \ddot{U} \\ \hline \hline \hline \end{array} - \begin{array}{ c c } \hline K & \ddot{U} \\ \hline \hline \hline \end{array} = \begin{array}{ c c } \hline K & \ddot{U} \\ \hline \hline \hline \end{array}$

130. Arvuta. Täida lüngad.

$\nearrow$ + 1 $\searrow$			$\nearrow$ - 1 $\searrow$			$\swarrow$ - 1 $\nwarrow$ + 1 $\searrow$	
9			12				
18			17				13
14			15				15
							10

131. Arvuta. Leia ülesandele õige maja.

15 <table border="1" style="margin: 5px auto; border-collapse: collapse;"> <tr><td style="width: 20px;">1</td><td style="width: 20px;">8</td><td style="width: 20px;">-</td><td style="width: 20px;"></td><td style="width: 20px;">3</td></tr> <tr><td></td><td></td><td>-</td><td></td><td></td></tr> <tr><td></td><td></td><td>-</td><td></td><td></td></tr> </table>	1	8	-		3			-					-			18 <table border="1" style="margin: 5px auto; border-collapse: collapse;"> <tr><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;">-</td><td style="width: 20px;"></td><td style="width: 20px;"></td></tr> <tr><td></td><td></td><td>-</td><td></td><td></td></tr> </table>			-					-			17 <table border="1" style="margin: 5px auto; border-collapse: collapse;"> <tr><td style="width: 20px;"></td><td style="width: 20px;"></td><td style="width: 20px;">-</td><td style="width: 20px;"></td><td style="width: 20px;"></td></tr> <tr><td></td><td></td><td>-</td><td></td><td></td></tr> <tr><td></td><td></td><td>-</td><td></td><td></td></tr> </table>			-					-					-		
1	8	-		3																																						
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18 - 3 =	19 - 2 =	18 - 1 =
19 - 1 =	19 - 4 =	18 - 0 =
17 - 0 =		17 - 2 =

132. Arvuta. Mis sõna on peidus?

19 – 3 = B	20 – 0 = I
17 – 4 = K	13 – 3 = L
15 – 1 = I	14 – 2 = A
16 – 5 = L	18 – 3 = S

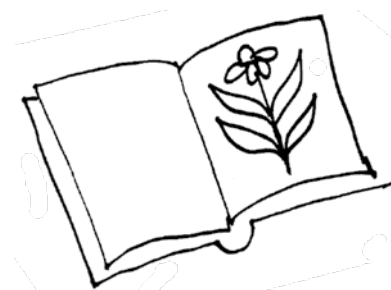
11	14	16	10	20	13	12	15

133. Lahenda ülesanne.

Värvi-raamatus on 16 lehe-külge.

Mari värvis esimese lehe-külje.

Mitu lehe-külge on värvimata?



Andmed:

on

 lehe-külge
värvis

 lehe-külge

Mitu lehe-külge on?

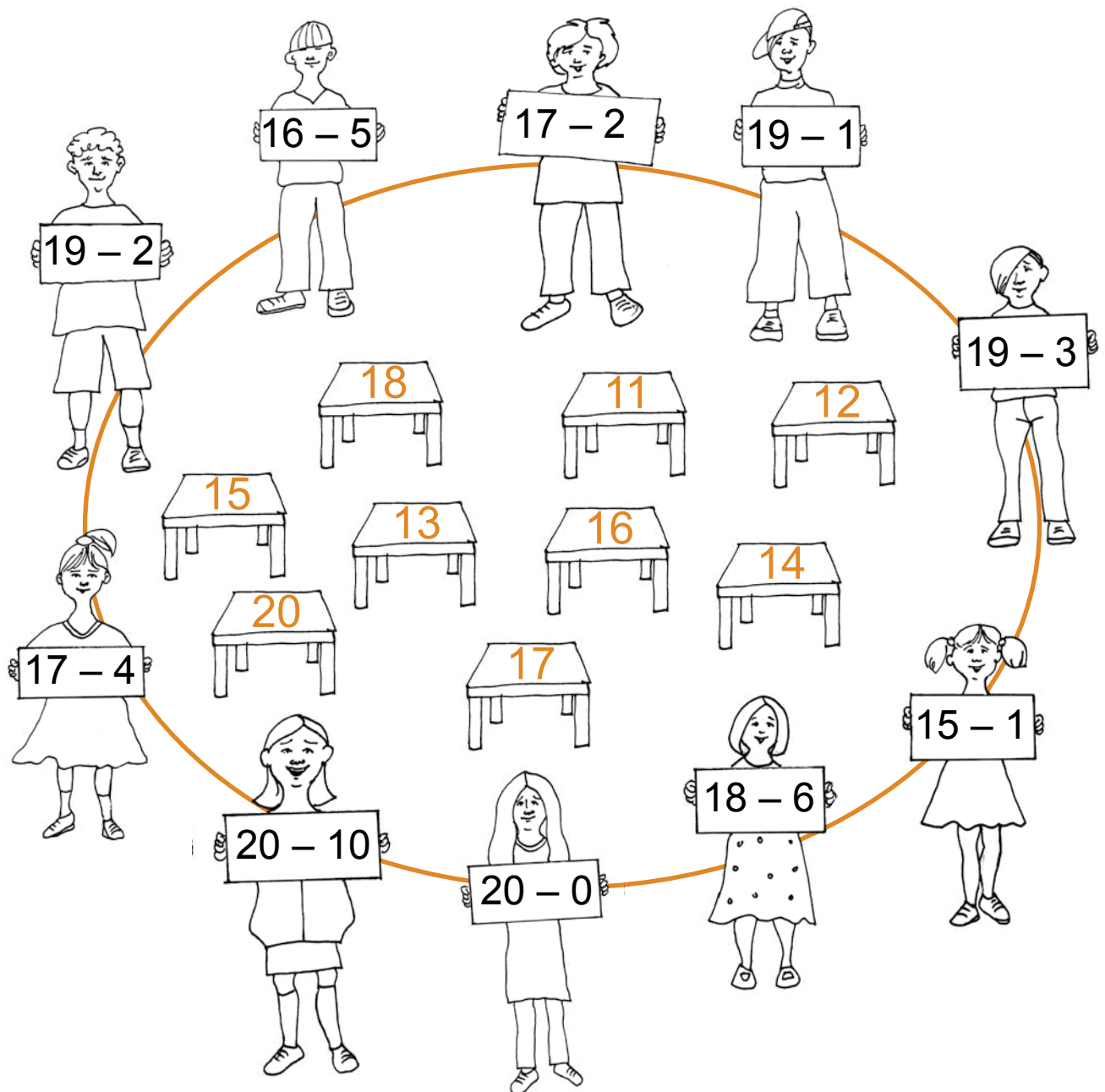
Lahendus: Mitu?

 lehe-külge

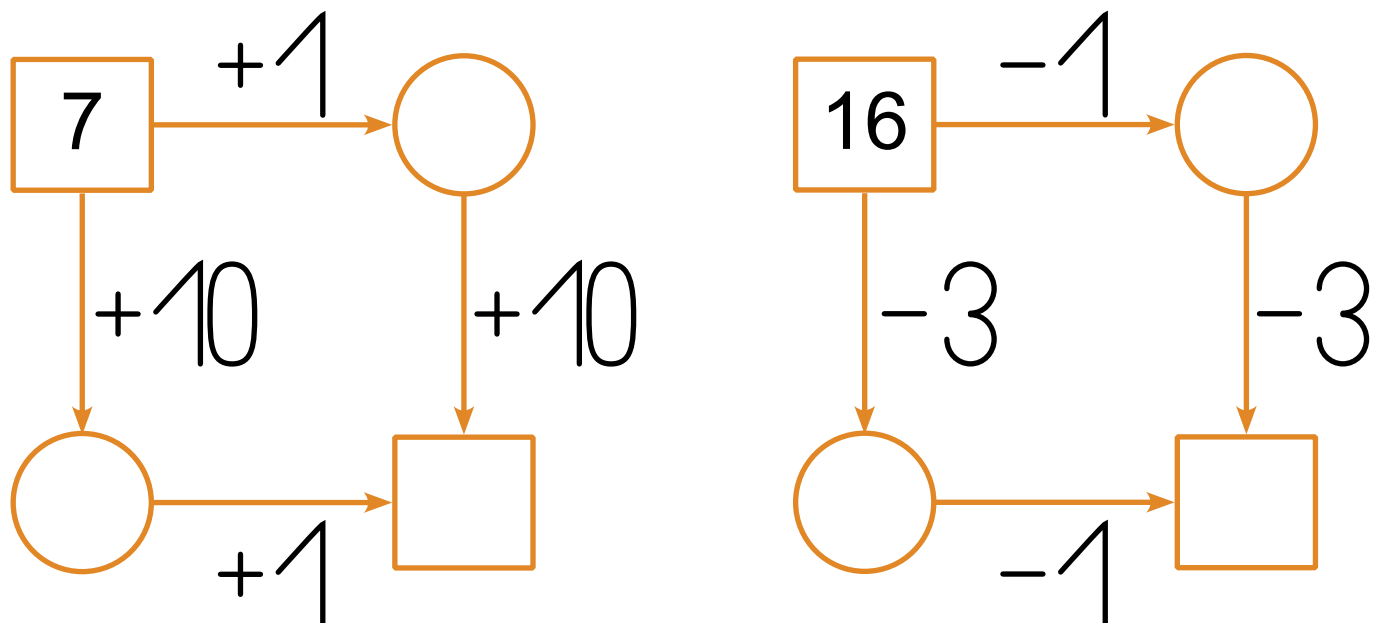
 =

Vastus:

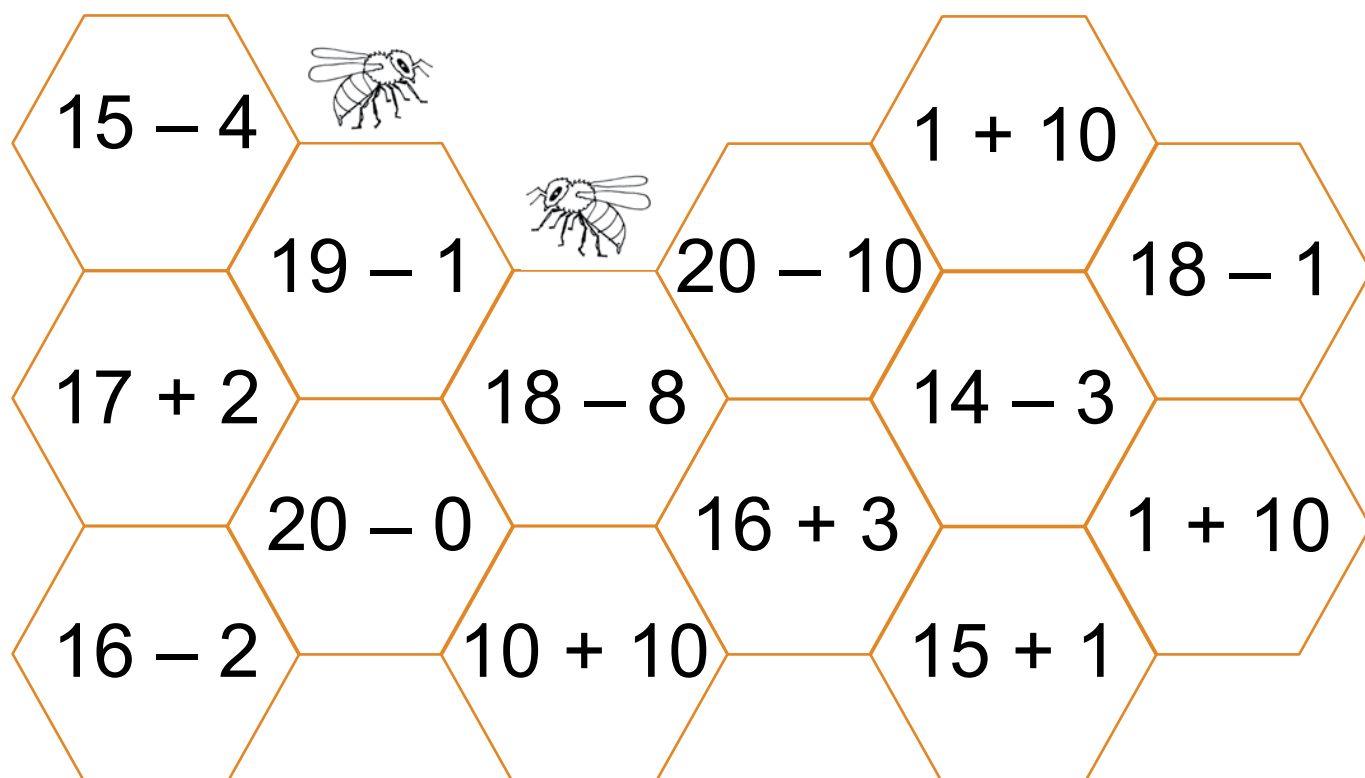
134. Kellel ei ole tooli? Arvuta vihikus. Ühenda.



135. Arvuta.



**136. Kirjuta ülesanded vihikusse.
Arvuta. Värvi, kui vastus on 20.**



137. Kirjuta lünka sobiv arv.

$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} + 10 = 15$$

$$14 + \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} = 17$$

$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} - 10 = 10$$

$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} - 1 = 15$$

$$16 + \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} = 19$$

$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} + 10 = 12$$

$$18 - \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} = 8$$

$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} - 9 = 10$$

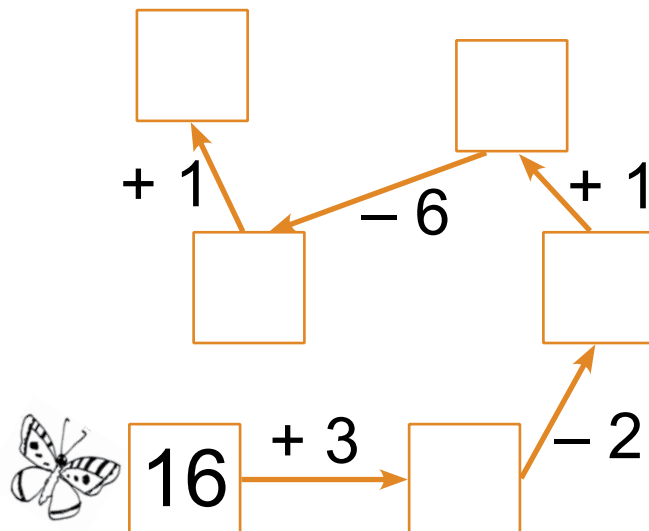
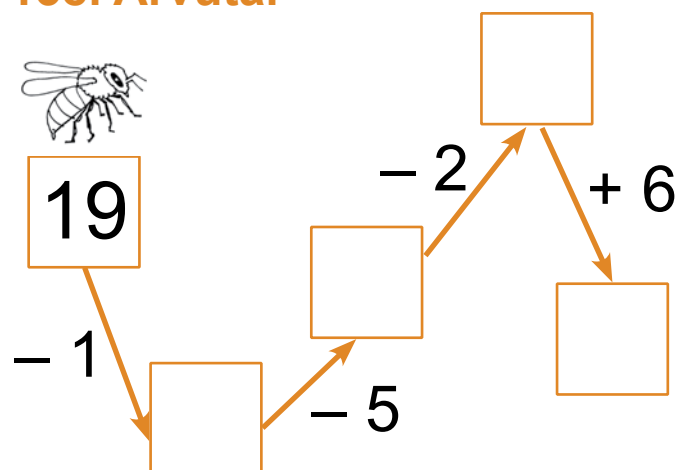
$$11 + \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} = 14$$

$$10 + \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} = 20$$

$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} - 7 = 10$$

$$14 - \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} = 4$$

138. Arvuta.



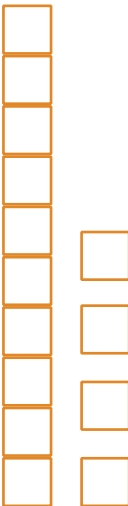
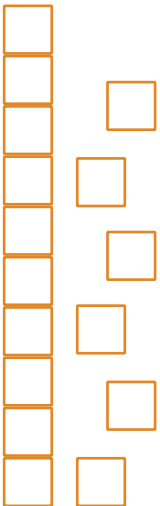
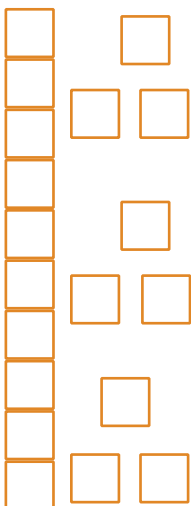
139. Arvuta. Lahenda mõistatus.

15 + 3 =	Ä	10 - 1 =	U
20 - 10 =	K	13 + 3 =	L
17 + 2 =	M	16 - 2 =	V
18 - 5 =	S	11 + 1 =	A
19 + 1 =	E	19 - 4 =	I
12 - 10 =	H	10 + 1 =	G
14 + 3 =	P		

14	18	15	10	20	16	20	2	19	12	10	20	
												,
19	12	11	9	13	17	15	15	19	12	10	20	.

KAHEKOHALISEST ARVUST KAHEKOHALISE ARVU LAHUTAMINE 20 PIIRES

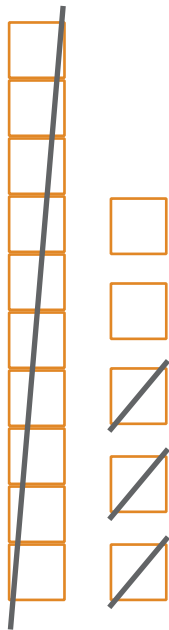
140. Leia arv kümnelise ja üheliste järgi. Märki ☒.

	☐ 17		☐ 15		☐ 17
	☐ 14		☐ 16		☐ 18
	☐ 12		☐ 17		☐ 19

141. Kirjuta arvu asendajad.

K Ü 15 10 5	K Ü 14 10	K Ü 10 7
K Ü 18	K Ü 14 4	K Ü 19

142. Vaata joonist. Täida lüngad.



Oli			Võtsin ära			Järgi jäi	
K	Ü		K	Ü		K	Ü
		—			=		

143. Vaata näidet. Arvuta.

$$19 - 13 = \dots$$

$\swarrow \quad \searrow$
 10 3

$$17 - 15 = \dots$$

$\swarrow \quad \searrow$

$$19 - 10 - 3 = \dots$$

$$17 - \dots - \dots = \dots$$

$$17 - 12 = \dots$$

$\swarrow \quad \searrow$

$$18 - 13 = \dots$$

$\swarrow \quad \searrow$

$$17 - \dots - \dots = \dots$$

$$18 - \dots - \dots = \dots$$

$$19 - 15 = \dots$$

$\swarrow \quad \searrow$

$$14 - 11 = \dots$$

$\swarrow \quad \searrow$

$$19 - \dots - \dots = \dots$$

$$14 - \dots - \dots = \dots$$

144. Arvuta vihikus.

$18 - 14$

$16 - 11$

$17 - 13$

$19 - 17$

$15 - 12$

$18 - 11$

$14 - 12$

$16 - 13$

$19 - 12$

$13 - 11$

$17 - 12$

$16 - 14$

145. Arvuta vahe. Ühenda vastusega.

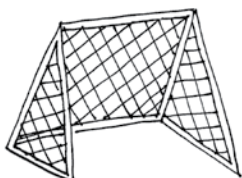
$19 - 11$	4	$17 - 13$		$19 - 12$	3	$16 - 13$
$15 - 14$	1	$18 - 10$		$18 - 13$	5	$18 - 11$
$19 - 15$	8	$17 - 16$		$14 - 11$	7	$17 - 12$

146. Arvuta.

Värvi ülesanded, mille vastus on 3 roheliseks.

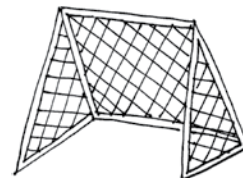
Värvi ülesanded, mille vastus on 4 punaseks.

$16 - 13$	$19 - 16$	$14 - 13$	$16 - 14$	$18 - 14$
$15 - 14$	$14 - 11$	$19 - 12$	$15 - 11$	$19 - 17$
$19 - 12$	$18 - 16$	$18 - 15$	$19 - 15$	$16 - 12$
$16 - 15$	$17 - 14$	$16 - 11$	$17 - 12$	$17 - 13$

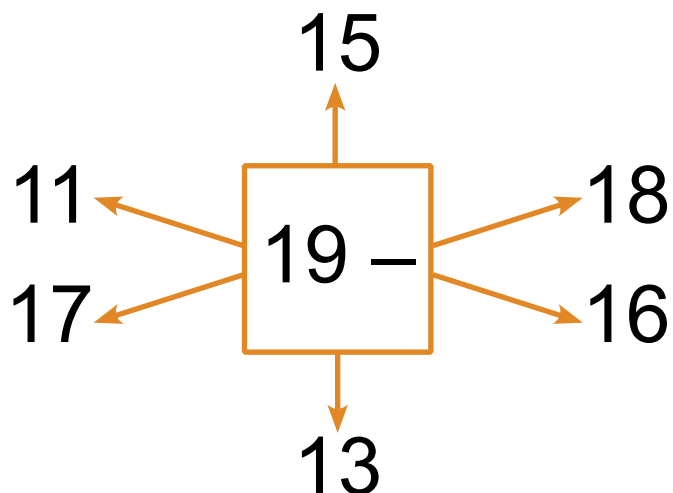
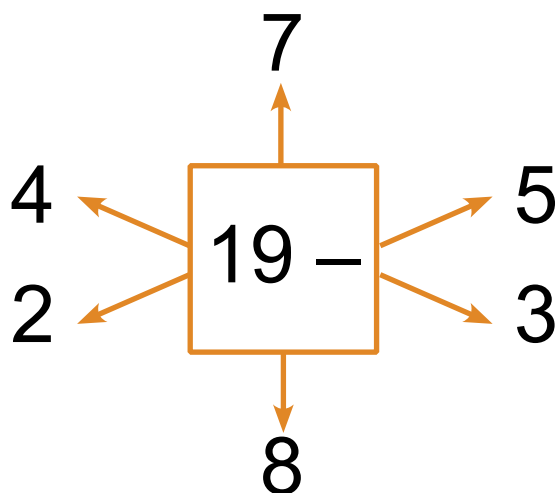


3

4



147. Koosta ülesanded. Arvuta vihikus.



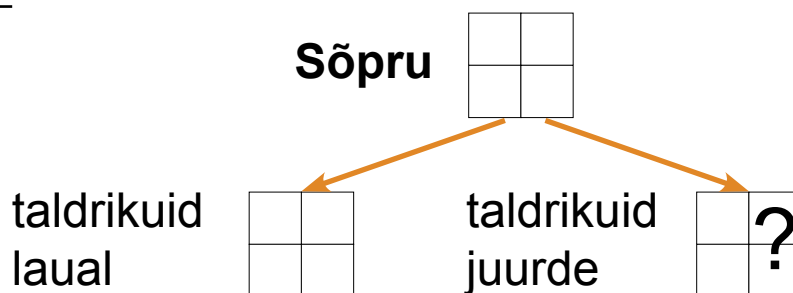
148. Lahenda ülesanne.

Karl kutsus oma sünnipäevale 16 sõpra.

Lauale on pandud juba 12 taldrikut.

Mitu taldrikut tuleb juurde panna?

Andmed:



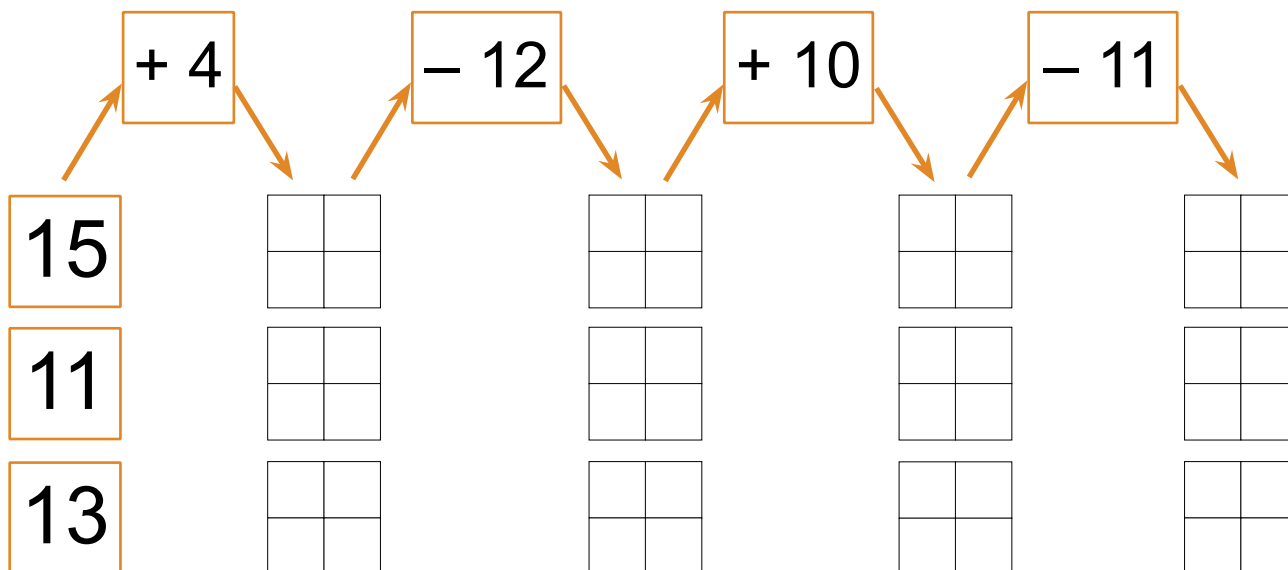
Lahendus:

Mitu taldrikut tuleb?

$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \text{ taldrikut } \begin{array}{|c|} \hline \\ \hline \end{array} \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \text{ taldrikut } = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \text{ taldrikut}$$

Vastus: Juurde

149. Arvuta. Täida lüngad.



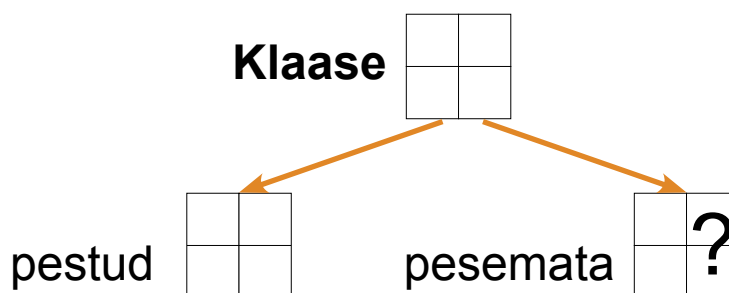
150. Lahenda ülesanne.

Pärast pidu oli vaja pesta 16 klaasi.

Karl on puhtaks pesnud juba 14 klaasi.

Mitu klaasi on vaja veel pesta?

Andmed:



Lahendus:

Mitu klaasi on

$$\begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \text{ klaasi} \quad \begin{array}{|c|} \hline \\ \hline \end{array} \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \text{ klaasi} = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} \text{ klaasi}$$

Vastus: Pesta

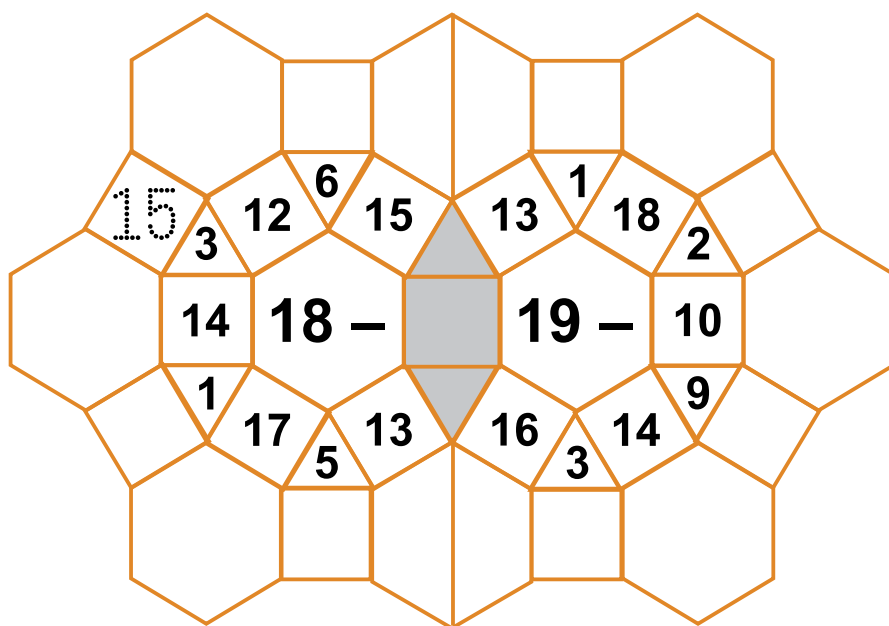
151. Leia vahe. Täida tabel.

—	13	15	11	16
17				
19				
18				

—	12	14	10	13
16				
14				
15				

152. Arvuta. Kirjuta vastus.

Värvi kujund, kui vastus on väiksem kui 4.



Kontrolli, kas värvisid 4 kujundit.

153. Lahenda ülesanne.

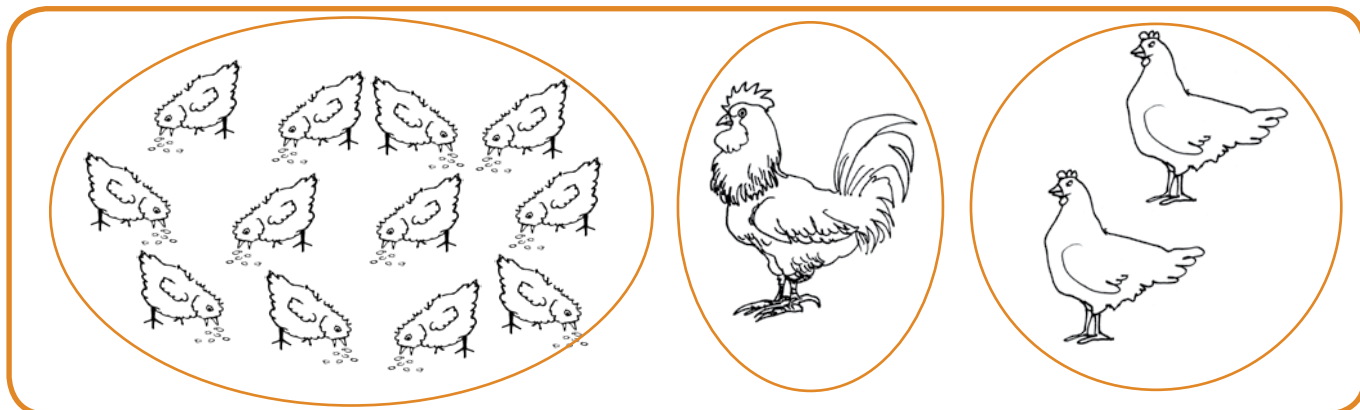
Basseinis ujub 19 last.

Neist 11 on poisid.

Mitu tüdrukut on basseinis?

MITME ARVU LIITMINE

154. Vaata pilti. Vasta küsimustele.



Mitu tibu nokib teri?

Mitu kukke tuleb sööma?

Mitu kana tuleb sööma?

Mitu lindu sööb nüüd teri?

Kirjuta ülesanne.

..... + + =

155. Arvuta.

$$\begin{array}{c} 15 \\ \swarrow \quad \searrow \\ 12 + 3 \end{array} + 2 = \boxed{17}$$

$$\begin{array}{c} \quad \quad \quad + \\ \swarrow \quad \searrow \quad \uparrow \\ 16 + 2 + 1 \end{array} = \boxed{}$$

$$\begin{array}{c} \quad \quad \quad + \\ \swarrow \quad \searrow \quad \uparrow \\ 14 + 3 + 1 \end{array} = \boxed{}$$

$$\begin{array}{c} \quad \quad \quad + \\ \swarrow \quad \searrow \quad \uparrow \\ 13 + 3 + 4 \end{array} = \boxed{}$$

$$\begin{array}{c} \quad \quad \quad + \\ \swarrow \quad \searrow \quad \uparrow \\ 11 + 2 + 4 \end{array} = \boxed{}$$

$$\begin{array}{c} \quad \quad \quad + \\ \swarrow \quad \searrow \quad \uparrow \\ 15 + 2 + 2 \end{array} = \boxed{}$$

156. Lahenda ülesanne vihikus.

Vaasis oli 11 punast tulpi.

Liisi pani vaasi juurde 4 kollast ja
2 valget tulpi.

Mitu tulpi on nüüd vaasis?

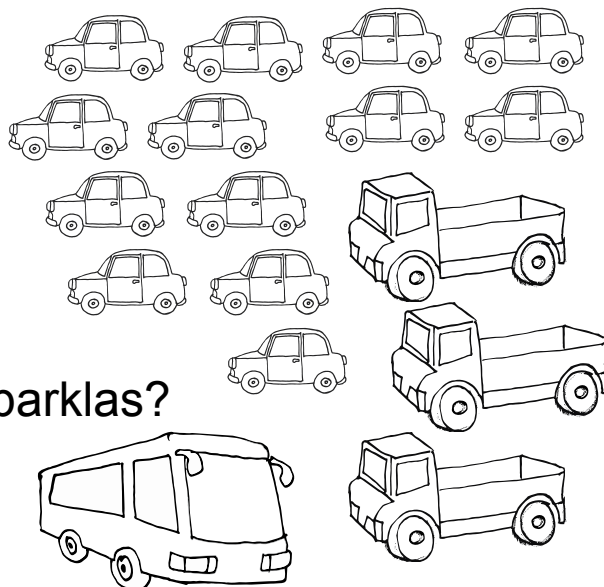


157. Lahenda ülesanne vihikus.

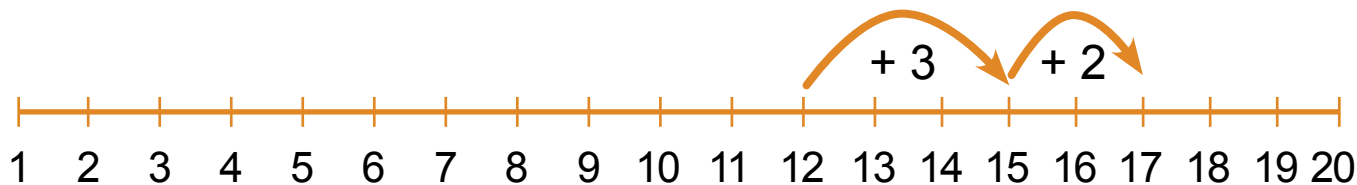
Parklas seisis 13 sõidu-autot ja
3 veo-autot.

Parklasse sõitis juurde 1 buss.

Mitu sõidukit pargib nüüd selles parklas?



158. Arvuta.



$$12 + 3 + 2 = 17$$

$$15 + 2 + 1 = \underline{\quad}$$

$$14 + 2 + 3 = \underline{\quad}$$

$$16 + 1 + 1 = \underline{\quad}$$

$$13 + 1 + 5 = \underline{\quad}$$

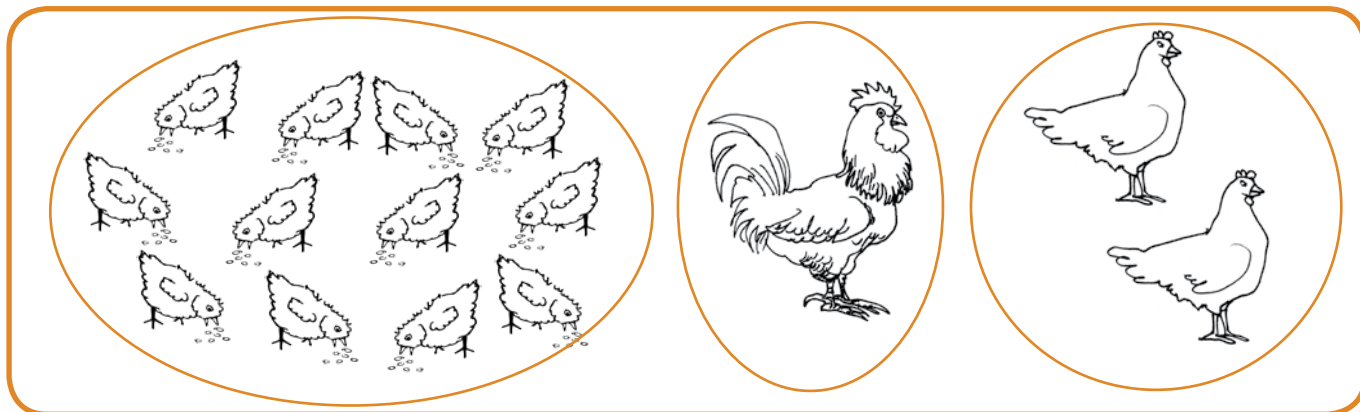
$$11 + 5 + 2 = \underline{\quad}$$

$$11 + 6 + 2 = \underline{\quad}$$

$$13 + 2 + 4 = \underline{\quad}$$

MITME ARVU LAHUTAMINE

159. Vaata pilti. Vasta küsimustele.



Mitu lindu sõi teri?

Mitu kukke läheb ära?

Mitu kana läheb ära?

Mitu lindu sööb nüüd teri?

Kirjuta ülesanne.

..... - - =

160. Arvuta.

$$\begin{array}{c} \textcircled{13} \\ \swarrow \quad \searrow \\ 17 - 4 - 2 = \boxed{11} \end{array}$$

$$\begin{array}{c} \textcirc{} \\ \swarrow \quad \searrow \\ 18 - 3 - 2 = \boxed{} \end{array}$$

$$\begin{array}{c} \textcirc{} \\ \swarrow \quad \searrow \\ 19 - 5 - 2 = \boxed{} \end{array}$$

$$\begin{array}{c} \textcirc{} \\ \swarrow \quad \searrow \\ 15 - 1 - 2 = \boxed{} \end{array}$$

$$\begin{array}{c} \textcirc{} \\ \swarrow \quad \searrow \\ 16 - 2 - 1 = \boxed{} \end{array}$$

$$\begin{array}{c} \textcirc{} \\ \swarrow \quad \searrow \\ 14 - 1 - 1 = \boxed{} \end{array}$$

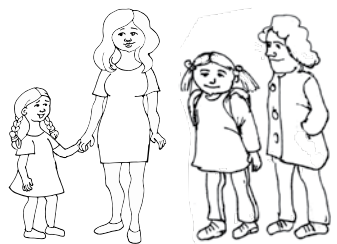
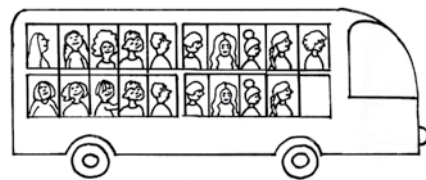
161. Lahenda ülesanne vihikus.

Bussis oli 19 reisijat.

Esimeses peatuses väljus 4 reisijat.

Teises peatuses väljus 3 reisijat.

Mitu reisijat jäi bussi?



162. Lahenda ülesanne vihikus.

Vanaema küpsetas 17 pannkooki.

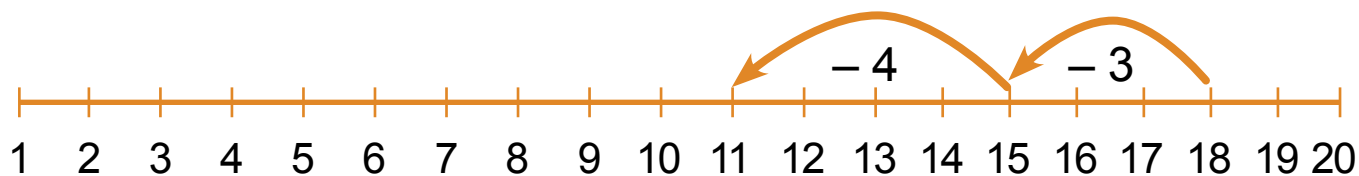
Henri sõi 4 pannkooki.

Kristiin sõi 3 pannkooki.

Mitu pannkooki jäi järele?



163. Arvuta.



$$18 - 3 - 4 = 11$$

$$16 - 1 - 3 = \underline{\quad}$$

$$19 - 5 - 1 = \underline{\quad}$$

$$17 - 4 - 2 = \underline{\quad}$$

$$15 - 2 - 1 = \underline{\quad}$$

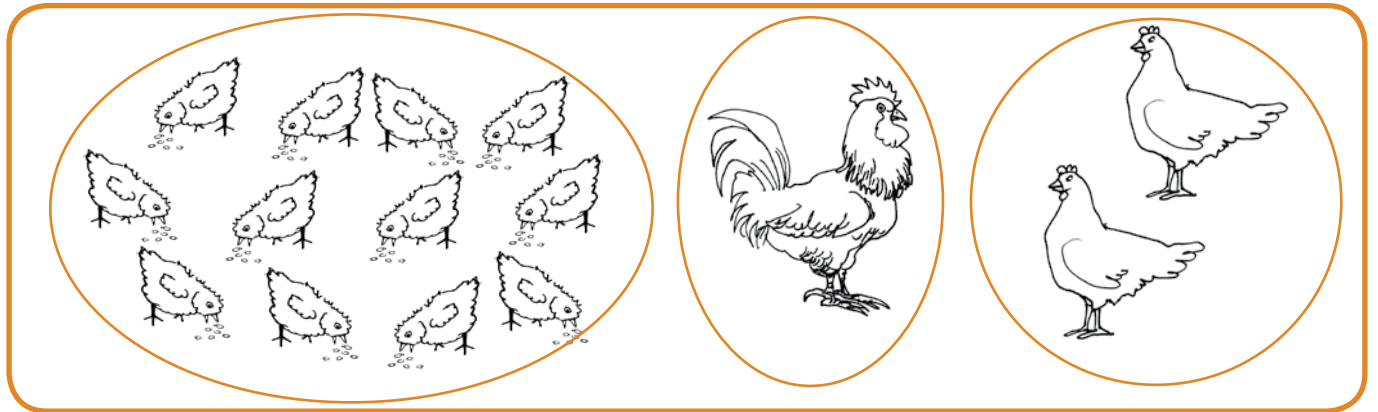
$$14 - 1 - 1 = \underline{\quad}$$

$$18 - 2 - 5 = \underline{\quad}$$

$$16 - 4 - 1 = \underline{\quad}$$

MITME ARVU LIITMINE JA LAHUTAMINE

164. Vaata pilti. Vasta küsimustele.



Mitu lindu söi teri?

Mitu kukke läheb ära?

Mitu kana tuleb sööma?

Mitu lindu sööb nüüd teri?

Kirjuta ülesanne.

..... - + =

165. Arvuta.

$$19 - 5 + 3 = \boxed{}$$

$$15 + 4 - 2 = \boxed{}$$

$$16 - 4 + 2 = \boxed{}$$

$$11 + 6 - 2 = \boxed{}$$

$$14 - 3 + 5 = \boxed{}$$

$$12 + 7 - 5 = \boxed{}$$

$$18 - 6 + 3 = \boxed{}$$

$$13 + 5 - 4 = \boxed{}$$

166. Lahenda ülesanne vihikus.

Korvis on 15 õuna.

Ema paneb korvi 4 õuna juurde.

Karmen võtab korvist 2 õuna ära.

Mitu õuna jääb korvi?



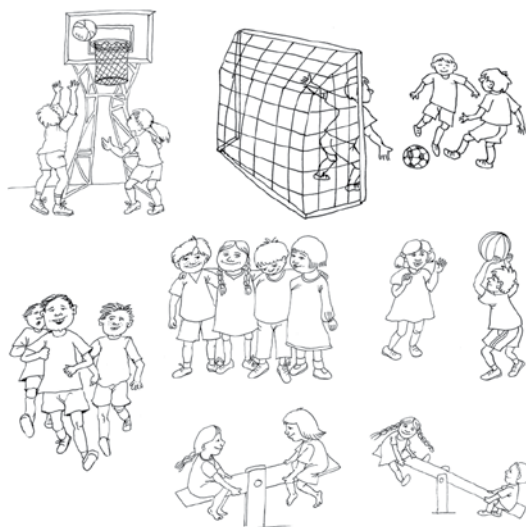
167. Lahenda ülesanne vihikus.

Õues mängib 18 last.

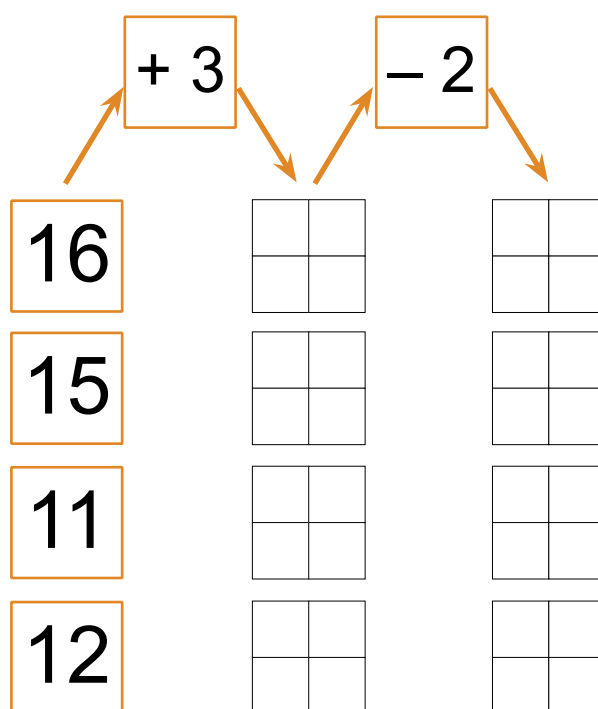
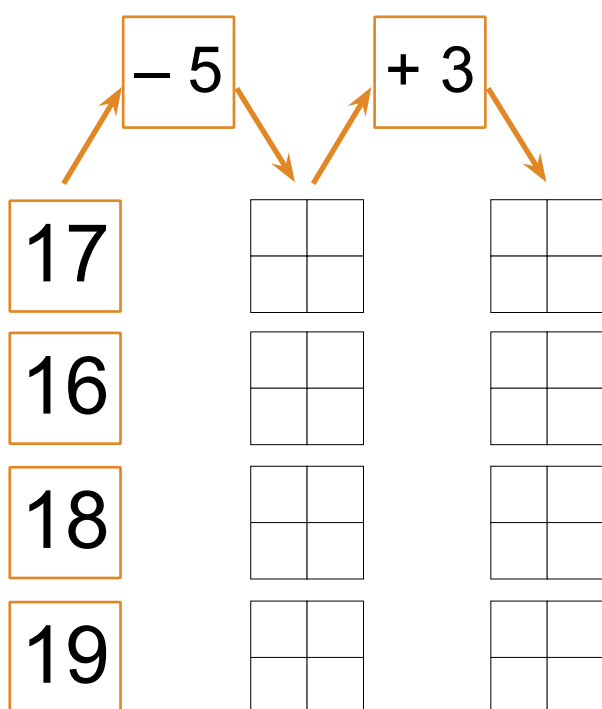
5 tüdrukut läheb tuppa.

3 poissi tuleb aga õue mängima.

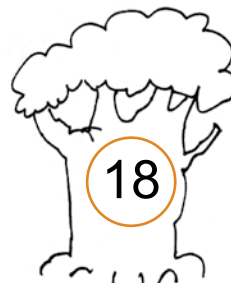
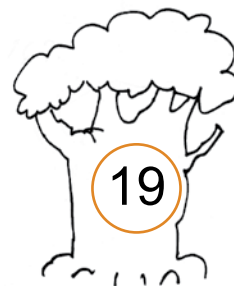
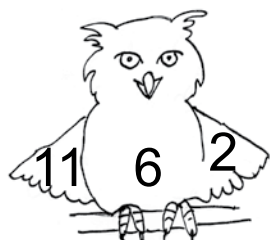
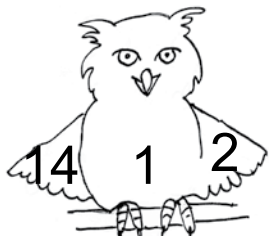
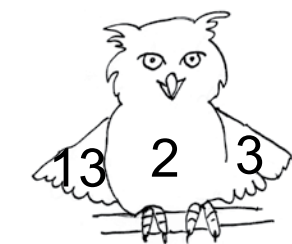
Mitu last mängib nüüd õues?



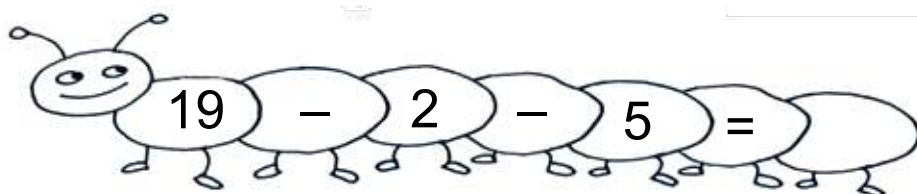
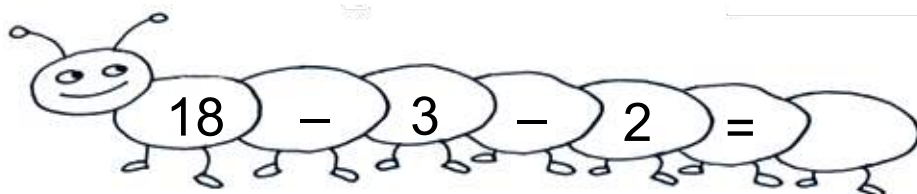
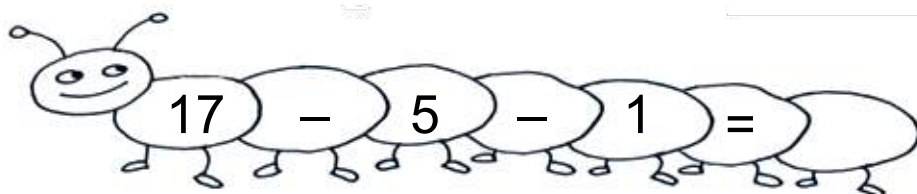
168. Arvuta.



169. Liida. Ühenda öö-kull ja tema pesa.



170. Lahuta. Ühenda õun ja õuna-uss.



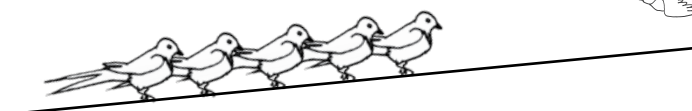
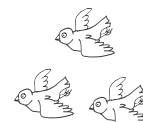
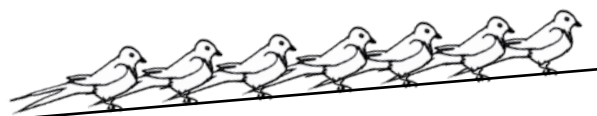
171. Lahenda ülesanne vihikus.

Traadil istus 17 pääsukest.

5 pääsukest lendas ära.

3 varblast lendas traadile.

Mitu lindu istub nüüd traadil?



172. Arvuta.

$17 - 5 + 2 = \square$

$11 + 4 + 3 = \square$

$14 + 3 - 5 = \square$

$12 + 3 + 4 = \square$

$16 - 1 - 4 = \square$

$17 - 2 - 4 = \square$

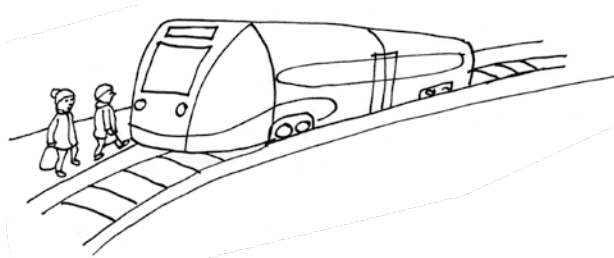
173. Lahenda ülesanne vihikus.

Rongis oli 13 inimest.

Peatuses läks maha 2 inimest.

Rongi tuli 5 inimest.

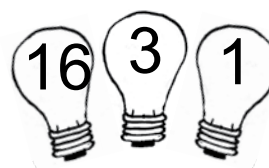
Mitu reisijat on nüüd rongis?



174. Kirjuta ülesanne. Arvuta.



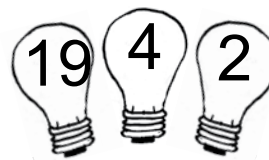
$\dots + \dots + \dots = \dots$



$\dots - \dots - \dots = \dots$



$\dots + \dots - \dots = \dots$



$\dots - \dots + \dots = \dots$



$\dots - \dots - \dots = \dots$



$\dots + \dots - \dots = \dots$

175. Arvuta. Värvi pliiatsid.

17 on punane, 11 on roheline, 19 on kollane.

$$13 + 6 - 2 =$$

$$14 + 3 + 2 =$$

$$16 + 3 - 8 =$$

$$18 - 4 - 3 =$$

$$12 + 3 + 2 =$$

$$15 + 3 + 1 =$$

$$11 + 4 + 4 =$$

$$17 - 2 - 4 =$$

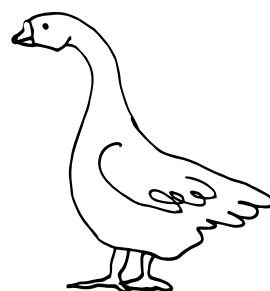
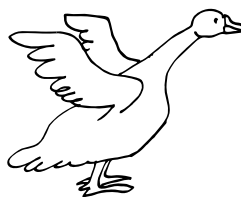
$$19 - 7 + 5 =$$

176. Lahenda ülesanne vihikus.

Hane-parves oli 13 halli ja 5 valget hane.

6 hane maandus tiigile.

Mitu hane jätkas lendu?



177. Arvuta. Leia igale lukule võti.

$$12 - 1 + 5 = \dots$$



$$17 - 6 + 2 = \dots$$

$$14 + 3 + 2 = \dots$$



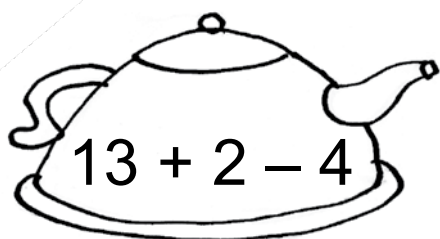
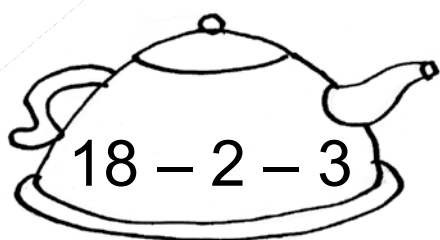
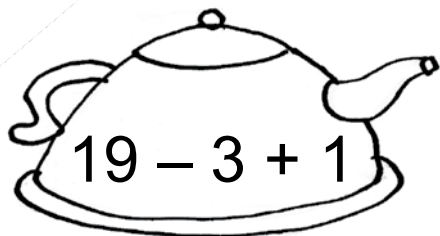
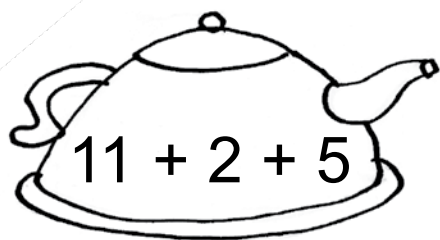
$$19 - 2 - 1 = \dots$$

$$11 + 8 - 6 = \dots$$

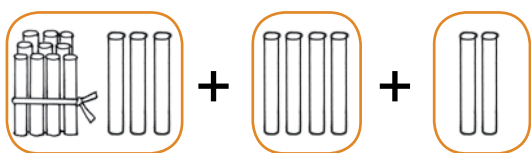


$$16 + 2 + 1 = \dots$$

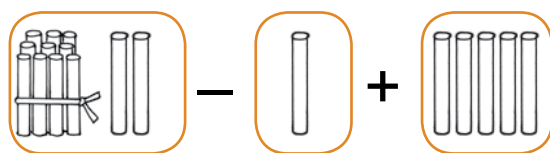
178. Arvuta. Leia igale kannule tass.



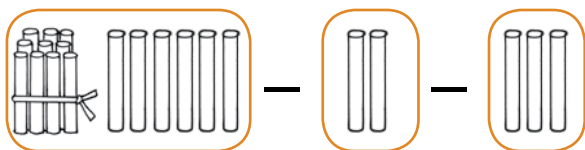
179. Kirjuta ülesanne. Arvuta.



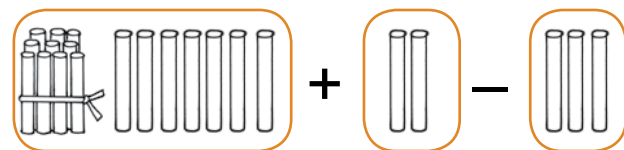
$$\dots + \dots + \dots = \dots$$



$$\dots - \dots + \dots = \dots$$



$$\dots - \dots - \dots = \dots$$



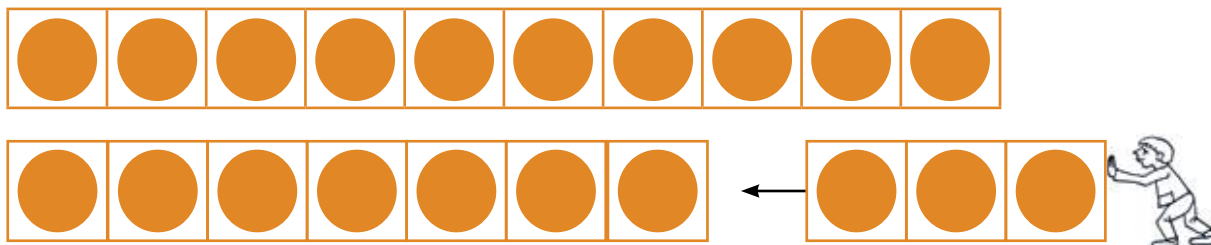
$$\dots + \dots - \dots = \dots$$

LIITMINE KAHEKÜMNENI

180. Arvuta.

6	+	4	=						7	+	3	=			
8	+	2	=						5	+	5	=			
9	+	1	=						6	+	4	=			

181. Vaata pilti. Vasta küsimustele.



Mitu palli on pildil?

Mitu palli lükkab poiss juurde?

Mitu palli on nüüd kokku?.....

182. Arvuta.

$$\begin{array}{c} \text{cloud with 15 raindrops} \end{array} + \begin{array}{c} \text{cloud with 5 raindrops} \end{array} = \begin{array}{c} \text{cloud} \end{array}$$

$$\begin{array}{c} \text{cloud with 17 raindrops} \end{array} + \begin{array}{c} \text{cloud with 3 raindrops} \end{array} = \begin{array}{c} \text{cloud} \end{array}$$

$$\begin{array}{c} \text{cloud with 19 raindrops} \end{array} + \begin{array}{c} \text{cloud with 1 raindrop} \end{array} = \begin{array}{c} \text{cloud} \end{array}$$

$$\begin{array}{c} \text{cloud with 18 raindrops} \end{array} + \begin{array}{c} \text{cloud with 2 raindrops} \end{array} = \begin{array}{c} \text{cloud} \end{array}$$

$$\begin{array}{c} \text{cloud with 16 raindrops} \end{array} + \begin{array}{c} \text{cloud with 4 raindrops} \end{array} = \begin{array}{c} \text{cloud} \end{array}$$

$$\begin{array}{c} \text{cloud with 14 raindrops} \end{array} + \begin{array}{c} \text{cloud with 6 raindrops} \end{array} = \begin{array}{c} \text{cloud} \end{array}$$

Jäta meelde:

K	Ü			Ü	=	K	Ü
1	7	+		3	=	2	0

7	Ü	+	3	Ü	=	1	0	Ü
		1	0	Ü	=	1	K	
1	K	+	1	K	=	2	K	
1	0	+	1	0	=	2	0	

Liidan ühelised: $7\text{Ü} + 3\text{Ü} = 10\text{Ü}$

$10\text{Ü} = 1\text{K}$

Liidan kümnelised: $1\text{K} + 1\text{K} = 2\text{K}$

$2\text{K} = 20\text{Ü}$

183. Arvuta.

1	8	+		2	=					1	9	+		1	=		
	8	+		2	=	1	0					+			=		
1	0	+	1	0	=	2	0					+			=		
1	6	+		4	=					1	4	+		6	=		
		+			=							+			=		
		+			=							+			=		
1	3	+		7	=					1	2	+		8	=		
		+		2	=							+			=		
		+			=							+			=		

184. Lahenda ülesanne.

Riiulis on 15 raamatut.

Karl paneb 5 raamatut juurde.

Mitu raamatut on nüüd riiulis?



Andmed:

Riiulis oli raamatut.

Karl pani juurde raamatut.

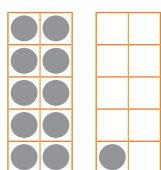
Mitu?

Lahendus:

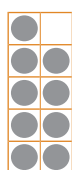
Mitu raamatut on nüüd riiulis?

Vastus: Riiulis on nüüd

185. Arvuta.



+



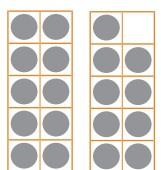
=

11

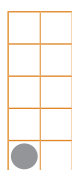
+

9

=



+



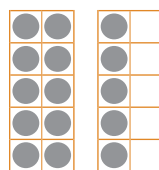
=

19

+

1

=



+



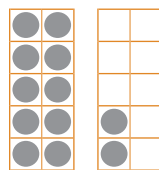
=

15

+

5

=



+



=

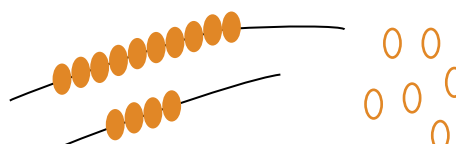
12

+

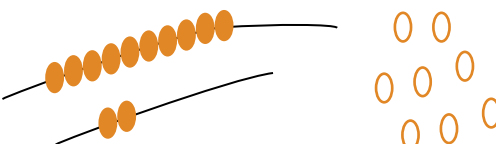
8

=

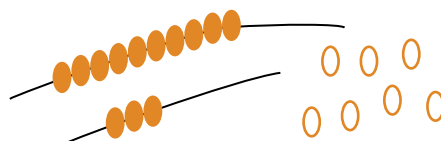
186. Koosta ülesanne. Arvuta.



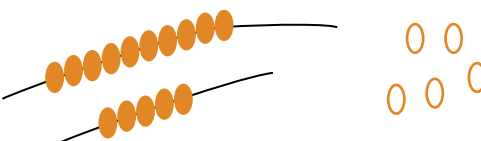
1	4	+		=		



		+		=		

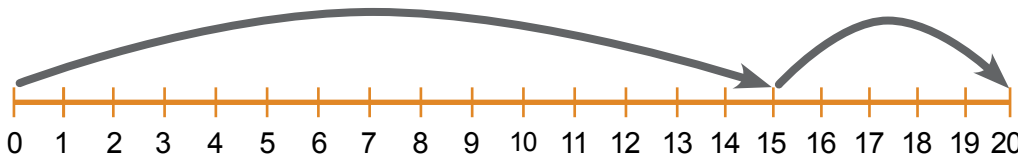
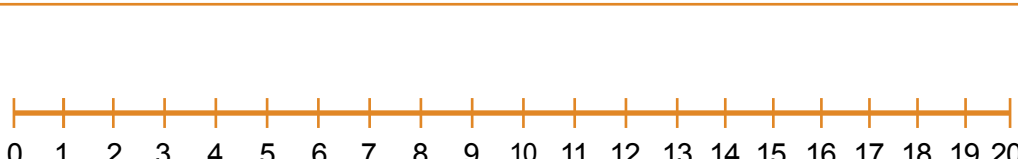
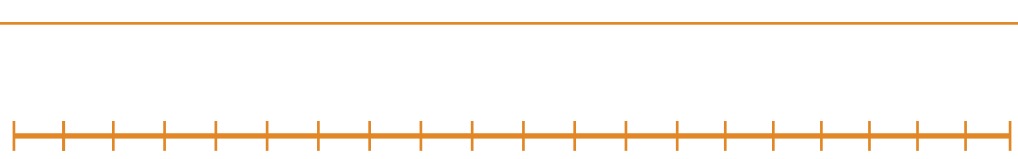


		+		=		



		+		=		

187. Arvuta.

15 + 5 =	
13 + 7 =	
16 + 4 =	
12 + 8 =	
14 + 6 =	

188. Lahenda ülesanne.

Mihkel püüdis 16 kala.

Roomet püüdis 4 kala rohkem kui Mihkel.

Arvuta, mitu kala püüdis Roomet.



Andmed:

Mihkel püüdis kala

Roomet püüdis kala rohkem



Mitu kala püüdis?

Lahendus:

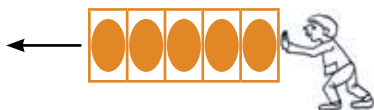
Mitu kala püüdis?

Vastus: Roomet püüdis kala.

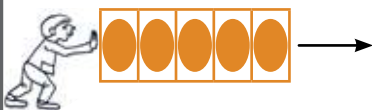
189. Arvuta.

1	4	+		6	=					1	1	+		9	=		
1	3	+		7	=					1	5	+		5	=		

Jäta meelde:



$$15 + 5 = 20$$

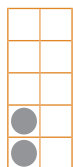


$$5 + 15 = 20$$

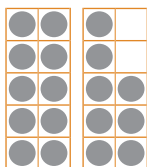
190. Arvuta.

1	6	+	4	=							4	+	1	6	=		
1	8	+	2	=							2	+	1	8	=		
1	9	+	1	=							1	+	1	9	=		
1	7	+	3	=							3	+	1	7	=		
1	5	+	5	=							5	+	1	5	=		

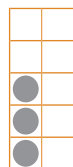
191. Koosta ülesanne ja arvuta.



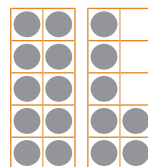
+



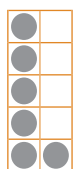
=



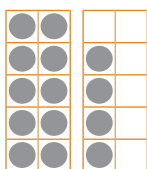
+



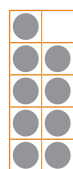
=



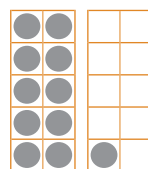
+



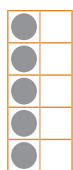
=



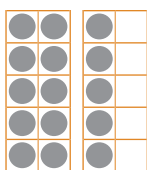
+



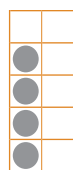
=



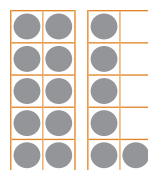
+



=



+



=

192. Arvuta.

	2	+	1	8	=						1	+	1	9	=				
	2	+		8	=	1	0					+			=				
1	0	+	1	0	=							+			=				
	7	+	1	3	=							4	+	1	6	=			
		+			=								+			=			
		+			=								+			=			

193. Lahenda ülesanne.

Bussis sõitis 9 reisijat.

Peatuses tuli juurde 11 inimest.

Mitu reisijat on nüüd bussis?



Andmed:

Bussis oli inimesi

Juurde tuli reisijaid

Mitu inimest on nüüd bussis?

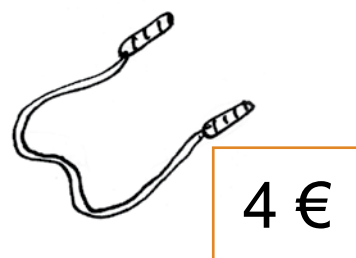
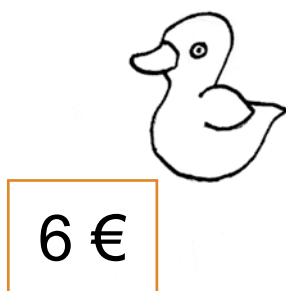
Lahendus:

1. Mitu on nüüd bussis?

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Vastus: Bussis sõidab nüüd inimest.

194. Arvuta, kui palju maksavad:



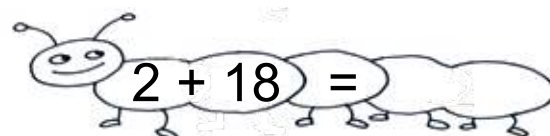
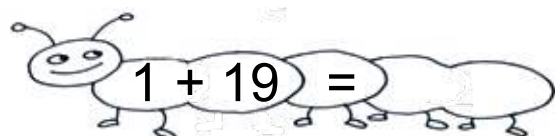
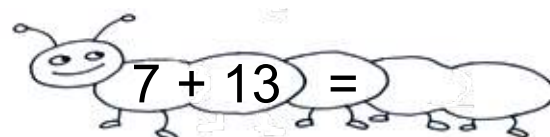
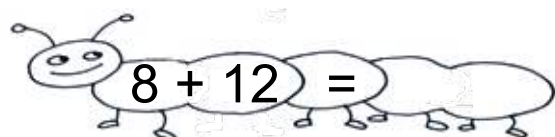
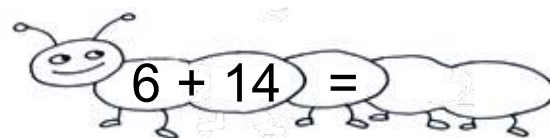
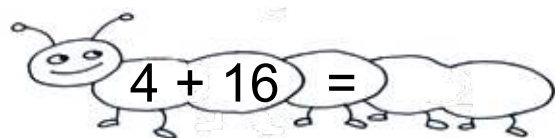
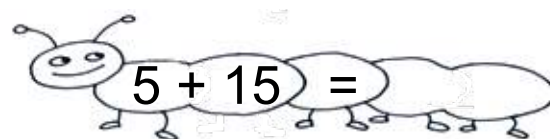
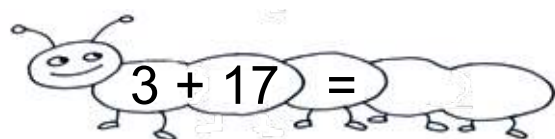
Vurr ja karu

Hüppenöör ja lennuk

Part ja auto

8	€	+			€	=			€

195. Arvuta.



196. Lahenda ülesanne.

Koerte-näitusel osales 6 taksi.

Puudleid oli 14.

Mitu koera osales näitusel kokku?

Andmed:



Mitu osales näitusel?

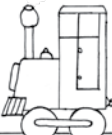
Lahendus:

1. Mitu osales näitusel?

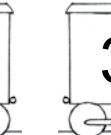
--	--	--	--	--	--	--

Vastus: Näitusel osales koera.

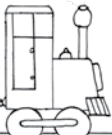
197. Arvuta.

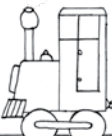


6	+	14	=	
---	---	----	---	--



3	+	17	=	
---	---	----	---	--

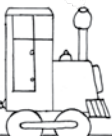




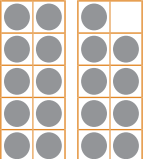
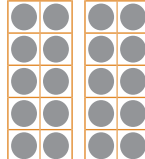
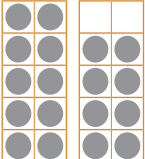
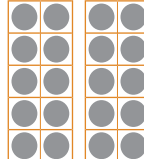
5	+	15	=	
---	---	----	---	--

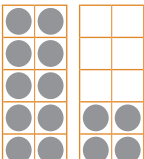
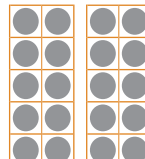
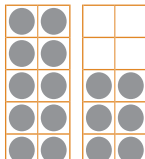
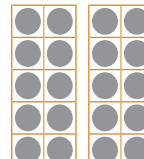


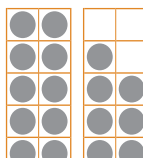
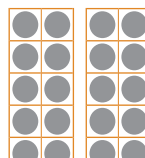
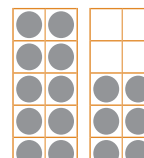
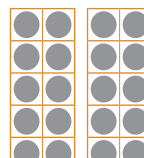
8	+	12	=	
---	---	----	---	--



198. Vaata joonist. Leia puuduv liidetav.

 $+$ $?$ $=$ 	 $+$ $?$ $=$ 
$19 + \square = 20$	$18 + \square = 20$

 $+$ $?$ $=$ 	 $+$ $?$ $=$ 
$14 + \square = 20$	$16 + \square = 20$

$?$ $+$  $=$ 	$?$ $+$  $=$ 
$\square + 17 = 20$	$\square + 16 = 20$

199. Leia puuduv liidetav.

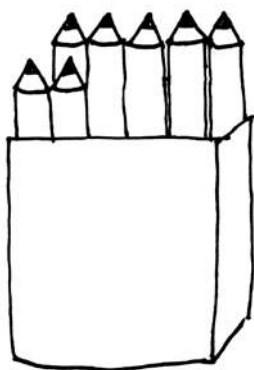
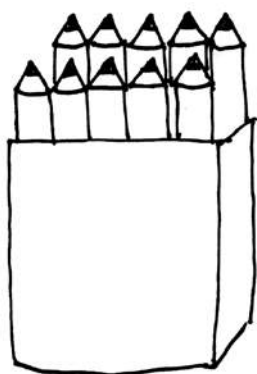
 + 2	$= 20$	1 +
 + 5		6 +
 + 3		8 +
 + 4		7 +

ÜHEKOHALISE ARVU LAHUTAMINE KAHEKÜMNEST

200. Arvuta.

1	0	–	1	=					1	0	–	4	=		
1	0	–	2	=					1	0	–	5	=		
1	0	–	3	=					1	0	–	6	=		

Jäta meelde:



K	Ü			Ü	=	K	Ü
2	0	–		3	=	1	7

K	Ü		K	Ü		K	Ü
2	0	–	1	0	=	1	0
1	0	–		3	=		7
1	0	+		7	=	1	7

Lahutan ühelised: 0 ühelist on väiksem kui 3 ühelist.

Võtan ühe kümnelise $2K - 1K = 1K$ ja
 $1K = 10Ü$.

Lahutan ühelised: $10Ü - 3Ü = 7Ü$.

Kirjutan 7Ü vastusesse üheliste kohale.

Kirjutan 1 kümnelise vastusesse kümneliste kohale: 1K.

201. Arvuta.

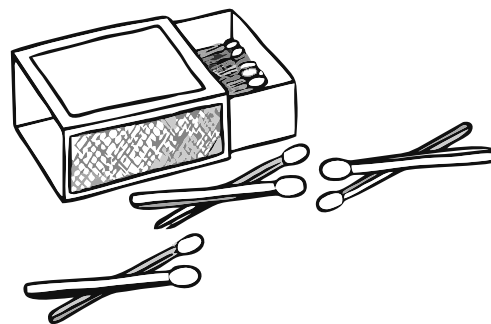
2	0	–		2	=	1	8			2	0	–		7	=		
1	0	–		2	=		8					–			=		
1	0	+		8	=	1	8					+			=		
2	0	–		4	=					2	0	–		3	=		

202. Lahenda ülesanne.

Toosis oli 20 tikku.

6 tikku kasutati ära.

Mitu tikku jäi toosi?



Andmed:

Toosis oli

Kulutati ära

Mitu tikku jäi toosi?

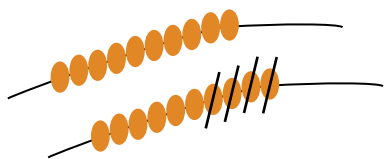
Lahendus:

Mitu jäi toosi?

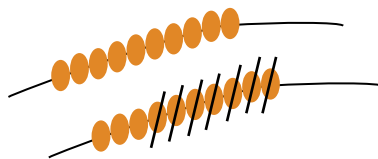
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Vastus: Toosi jäi tikku.

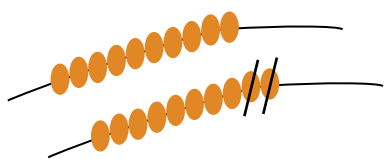
203. Koosta ülesanne. Arvuta.



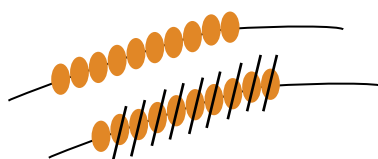
2	0	-		=		



		-		=		



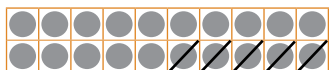
		-		=		



		-		=		

204. Arvuta.

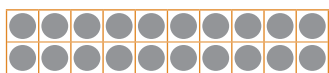
$20 - 5 = \boxed{15}$



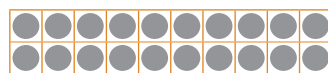
$20 - 1 = \boxed{}$



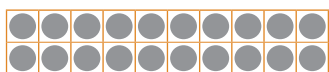
$20 - 9 = \boxed{}$



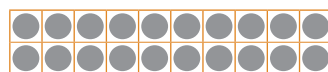
$20 - 3 = \boxed{}$



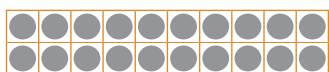
$20 - 7 = \boxed{}$



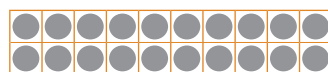
$20 - 6 = \boxed{}$



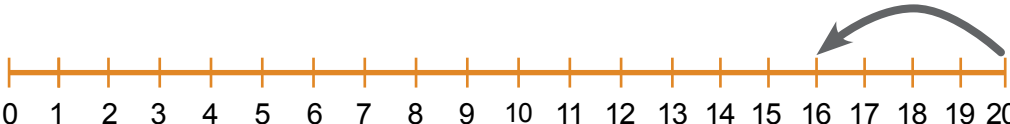
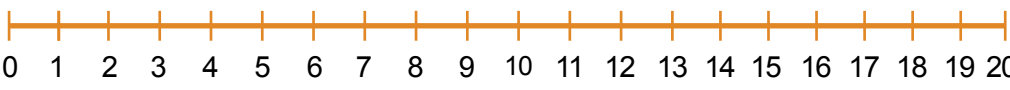
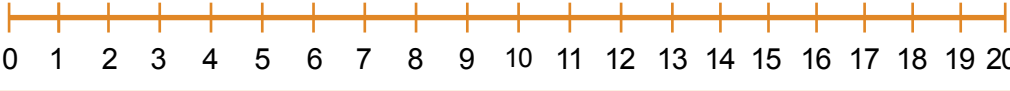
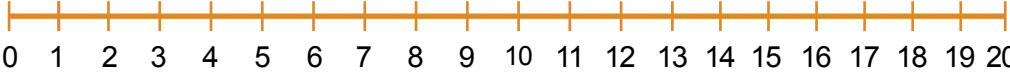
$20 - 4 = \boxed{}$



$20 - 2 = \boxed{}$



205. Arvuta.

$20 - 4 =$	
$20 - 1 =$	
$20 - 8 =$	
$20 - 2 =$	
$20 - 3 =$	

206. Lahenda ülesanne.

Vana-ema keetis 20 purki vaarika-moosi.

9 purki kinkis ta sõpradele.

Mitu purki moosi jäi talveks?



Andmed:

Keetis purki moosi.

Kinkis ära purki moosi.

Mitu purki moosi jäi?

Lahendus:

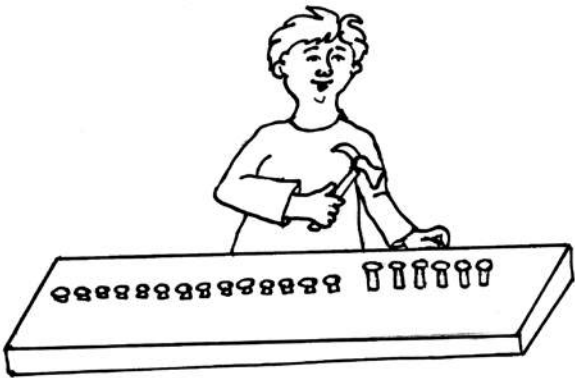
Mitu purki moosi jäi?

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Vastus: Talveks jäi purki vaarika-moosi.

KAHEKOHALISE ARVU LAHUTAMINE KAHEKÜMNEST

207. Vaata pilti. Vasta küsimustele.



Mitu naela peab Tauri sisse lööma?

Mitu naela on ta juba sisse löönud?

Mitu naela on veel lüüa?

2

0

=

1

0

+

1

0

1

4

=

1

0

+

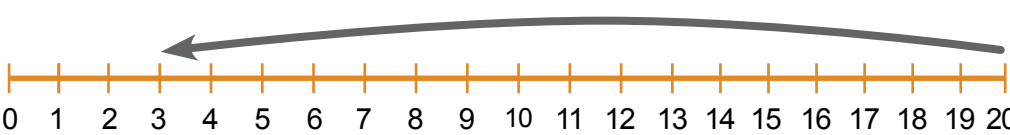
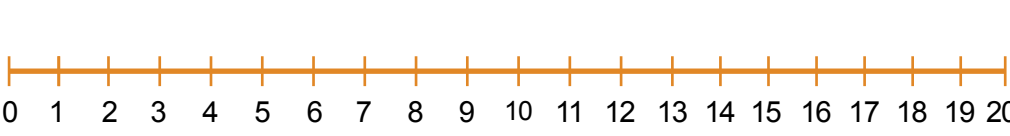
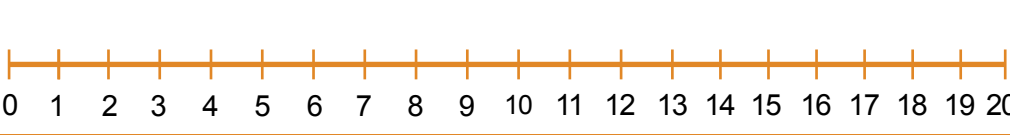
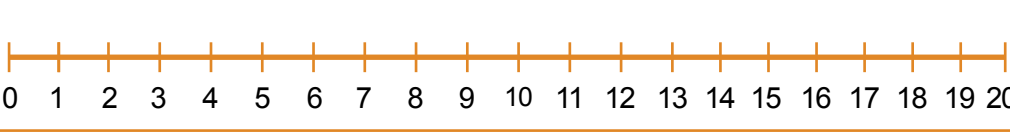
4

2	0	–	1	4	=		6
2	0	–	1	0	=	1	0
1	0	–		4	=		6

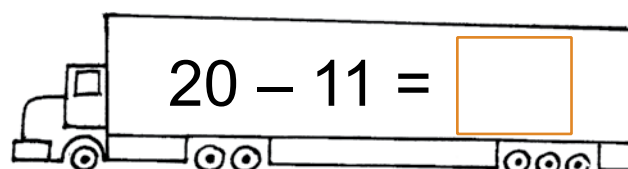
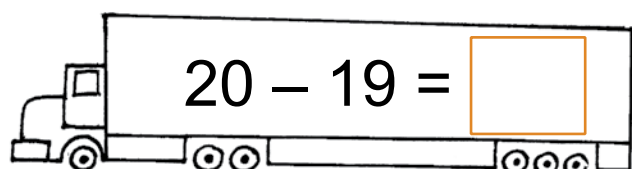
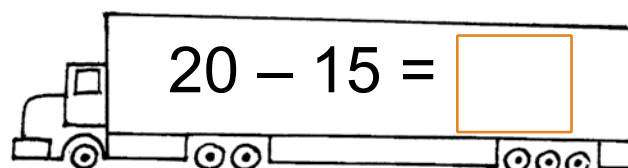
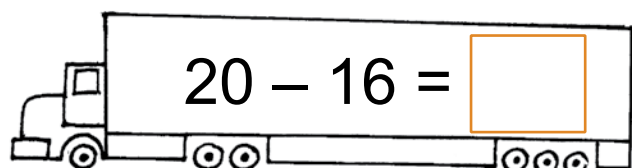
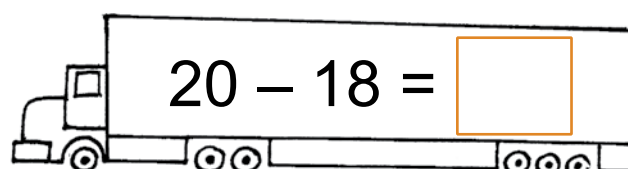
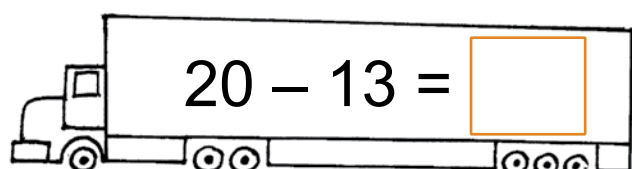
208. Arvuta.

2	0	–	1	2	=		8			2	0	–	1	7	=		
2	0	–	1	0	=	1	0					–			=		
1	0	–		2	=		8					–			=		
2	0	–	1	1	=					2	0	–	1	3	=		

209. Arvuta.

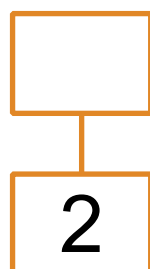
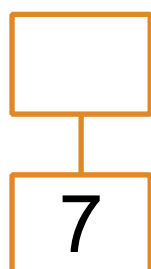
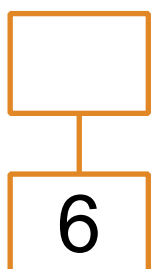
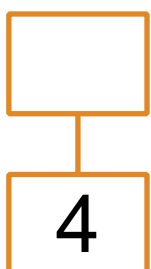
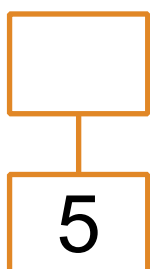
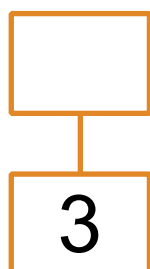
$20 - 17 =$	
$20 - 11 =$	
$20 - 18 =$	
$20 - 14 =$	

210. Arvuta.

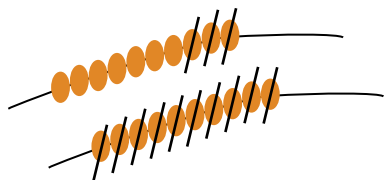


211. Arvuta. Mis uss on peidetud arvude taha?

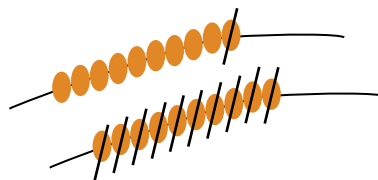
2	0	-	1	8	=			K		2	0	-	1	6	=			S
2	0	-	1	4	=			T		2	0	-	1	7	=			N
2	0	-	1	5	=			A		2	0	-	1	3	=			I



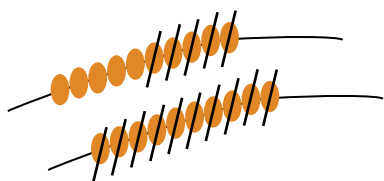
212. Koosta ülesanne. Arvuta.



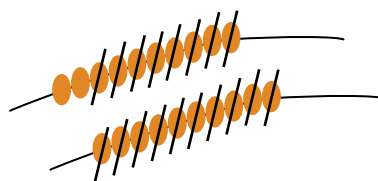
2	0	–			=		



		–			=		



		–			=		



		–			=		

213. Lahenda ülesanne.

Tiidul oli 20 eurot.

Ta kulutas ära 15 eurot.

Mitu eurot jäi Tiidul alles?

Andmed:

Oli eurot.

Kulutas ära eurot.

Mitu jäi alles?

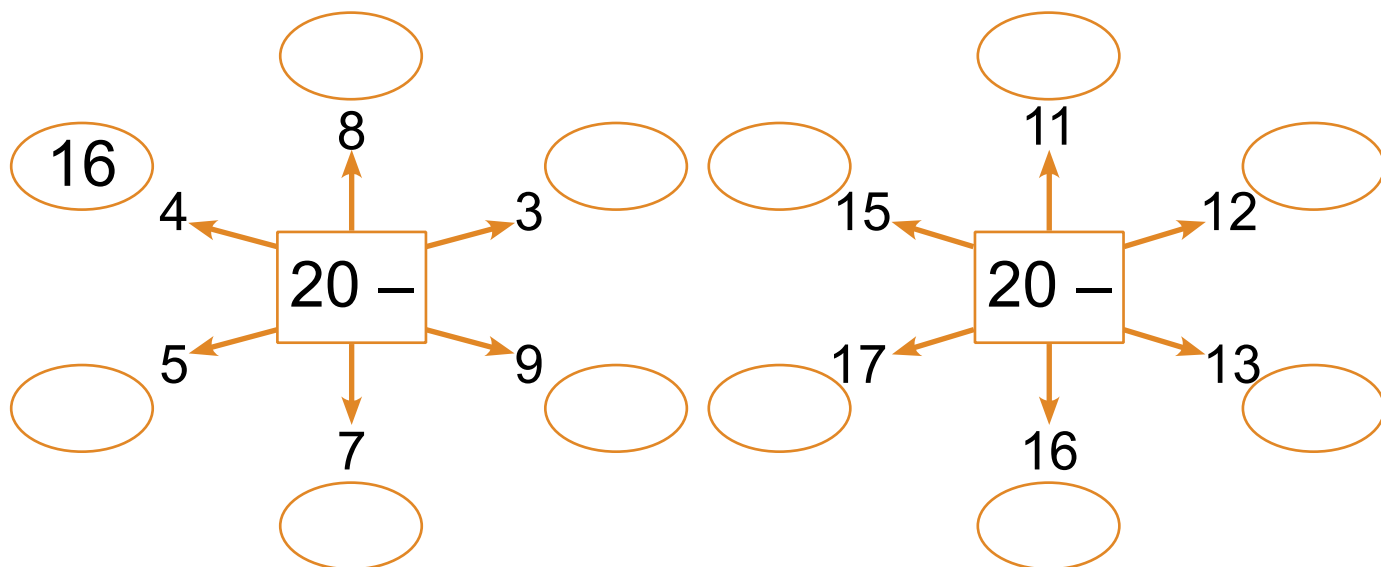
Lahendus:

Mitu?

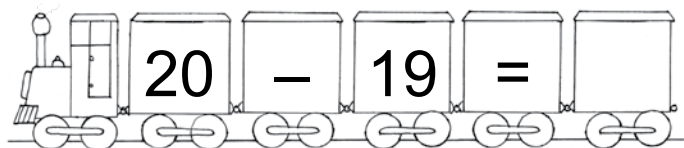
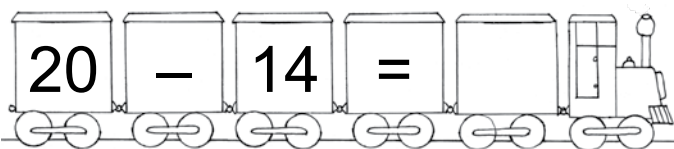
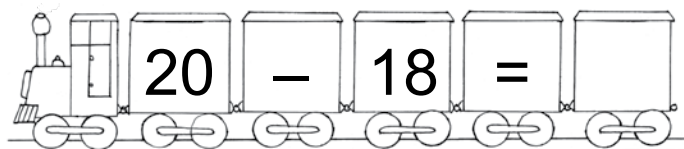
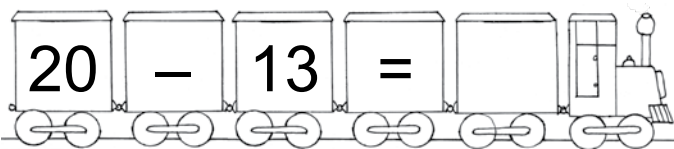
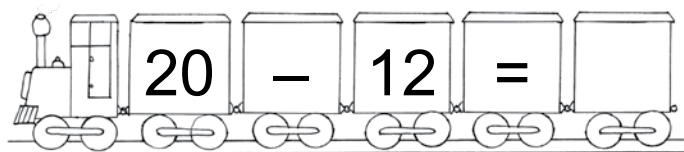
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Vastus: Tiidul jäi alles eurot.

214. Arvuta.



215. Arvuta.



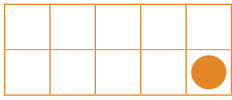
216. Arvuta.

$$20 - 13 = \dots \quad 20 - 11 = \dots \quad 20 - 16 = \dots$$

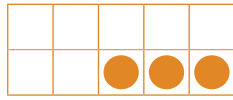
$$20 - 17 = \dots \quad 20 - 12 = \dots \quad 20 - 15 = \dots$$

LIITMINE KÜMNENI JA KÜMNELE

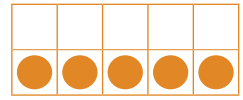
217. Kirjuta puuduv liidetav.



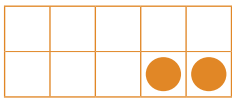
$$\dots + 1 = 10$$



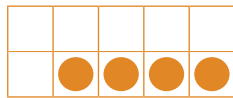
$$\dots + 3 = 10$$



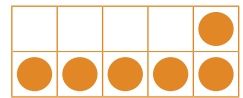
$$\dots + 5 = 10$$



$$\dots + 2 = 10$$

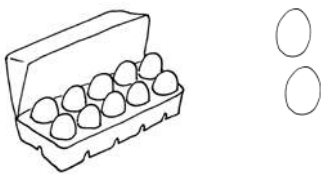


$$\dots + 4 = 10$$

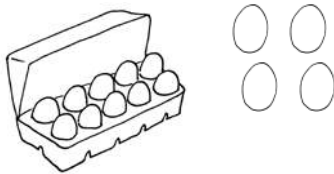


$$\dots + 6 = 10$$

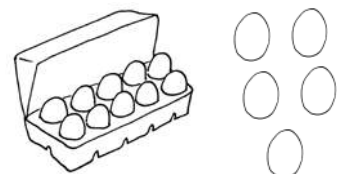
218. Koosta ülesanne. Arvuta.



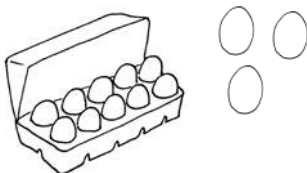
$$10 + \dots = \dots$$



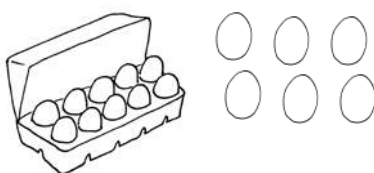
$$10 + \dots = \dots$$



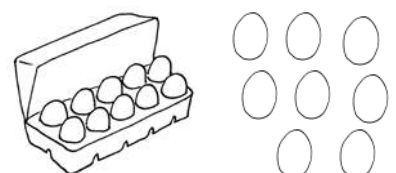
$$10 + \dots = \dots$$



$$10 + \dots = \dots$$



$$10 + \dots = \dots$$



$$10 + \dots = \dots$$

219. Koosta ülesanne. Arvuta.



$$\dots + \dots + \dots = \square$$



$$\dots + \dots + \dots = \square$$

220. Arvuta.

 $6 + 4 + 8 = \square$

 $8 + 2 + 1 = \square$

 $3 + 7 + 5 = \square$

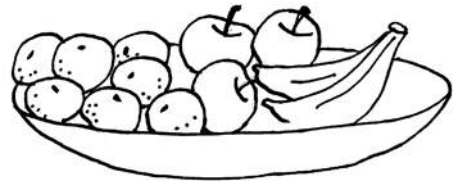
 $5 + 5 + 6 = \square$

 $9 + 1 + 2 = \square$

 $4 + 6 + 3 = \square$

221. Lahenda ülesanne.

Vaagnal on 7 manda-riini,
3 õuna ja 2 banaani.



Mitu puu-vilja on vaagnal kokku?

Andmed:



Mitu on vaagnal kokku?

Lahendus:

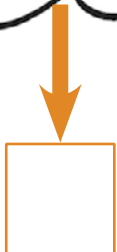
Mitu puu-vilja on vaagnal ?

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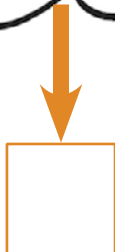
Vastus: Vaagnal on kokku puu-vilja.

222. Arvuta.

$$9 + 1 + 8$$



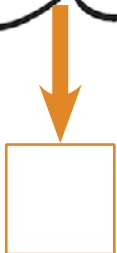
$$3 + 7 + 9$$



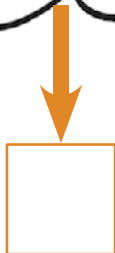
$$5 + 5 + 7$$



$$2 + 8 + 3$$



$$4 + 6 + 1$$



$$7 + 3 + 6$$



223. Joonista vajalik arv kujundeid. Arvuta.

$$6 + 4 + 2 =$$



$$5 + 5 + 3 =$$



$$3 + 7 + 1 =$$



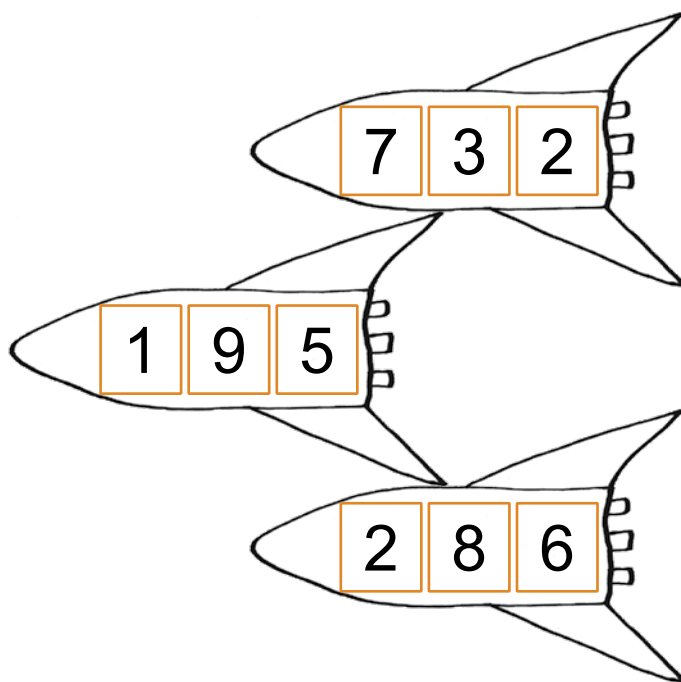
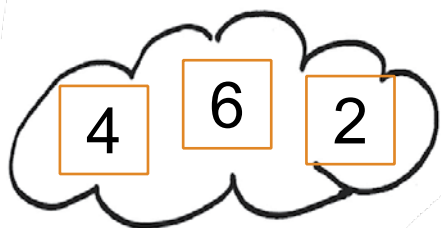
$$2 + 8 + 5 =$$



$$9 + 1 + 3 =$$

$$4 + 6 + 4 =$$

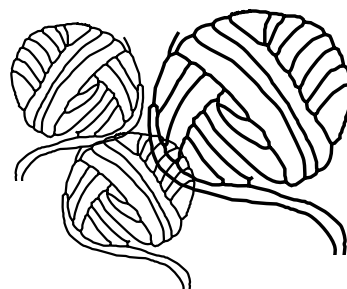
224. Liida vihikus. Ühenda sama vastusega pilv ja rakett.



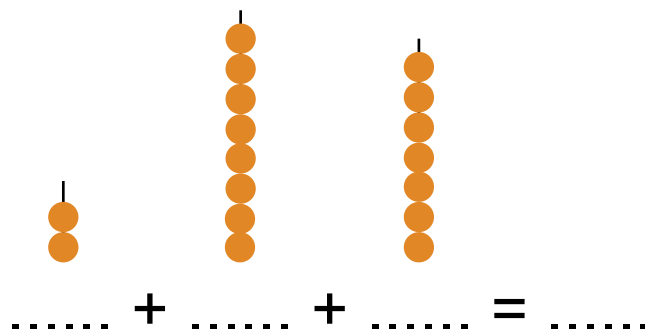
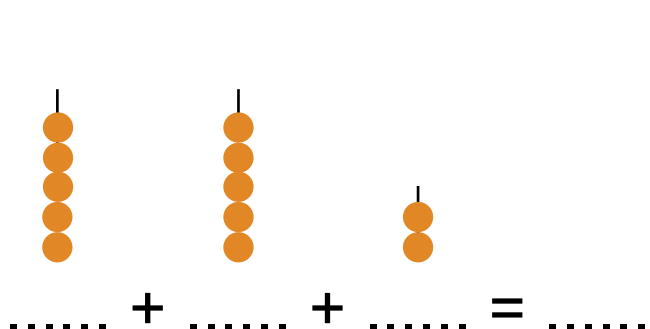
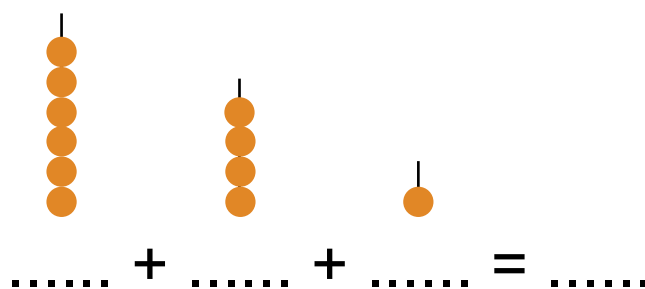
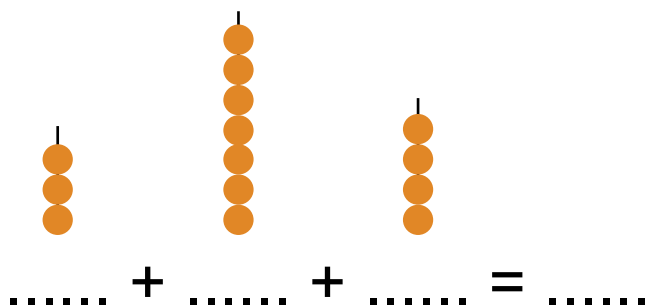
225. Lahenda ülesanne vihikus.

Vana-ema on 6 valget, 4 punast ja 3 rohelist lõnga-kera.

Mitu lõnga-kera on vana-ema kokku?



226. Koosta ülesanne. Arvuta.



227. Arvuta.

$7 + 3 + 8 = \boxed{}$

$1 + 9 + 2 = \boxed{}$

$5 + 5 + 9 = \boxed{}$

$3 + 7 + 5 = \boxed{}$

$8 + 2 + 1 = \boxed{}$

$4 + 6 + 3 = \boxed{}$

228. Lahenda ülesanne.

Emili luges esmas-päeval 7 lehe-külge,
teisi-päeval 3 ja kolma-päeval 5 lehe-külge.

Mitu lehe-külge luges Emili kolme päevaga?



Andmed:

Esmas- päeval lehe-külge

Teisi-päeval lehe-külge

Kolma-päeval lehe-külge

Mitu lehe-külge luges Emili päevaga kokku?

Lahendus:

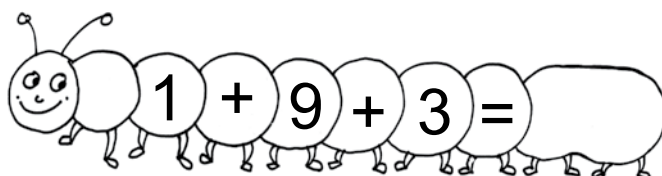
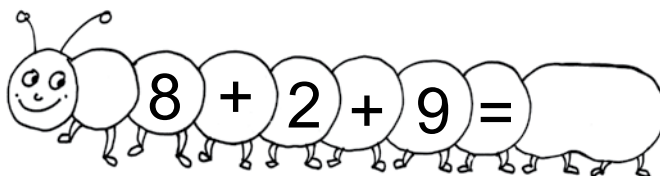
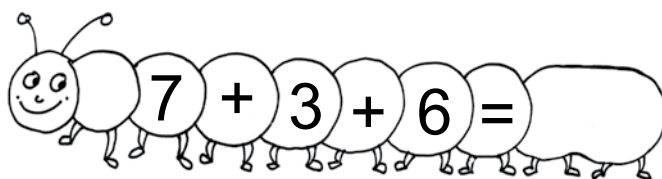
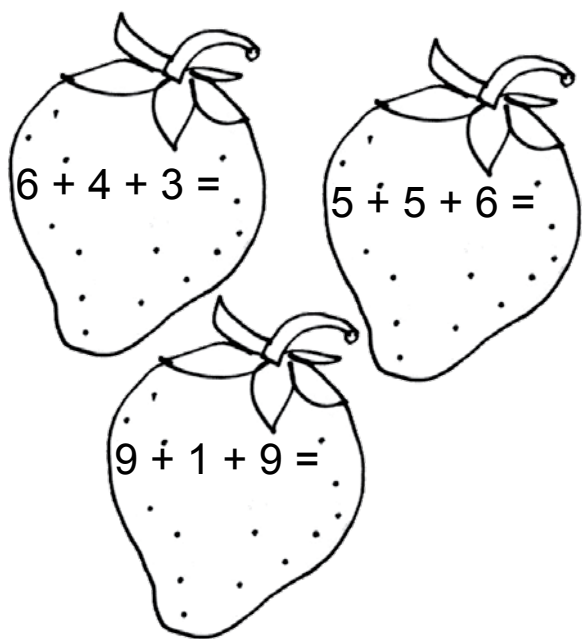
Mitu lehe-külge luges Emili kolme päevaga?

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Vastus: Emili luges kolme päevaga kokku lehe-külge.

229. Arvuta.

Ühenda sama vastusega maasikas ja saja-jalgne.



230. Arvuta.

$$\text{8} + \text{2} + \text{6} = \square \quad \text{1} + \text{9} + \text{8} = \square$$

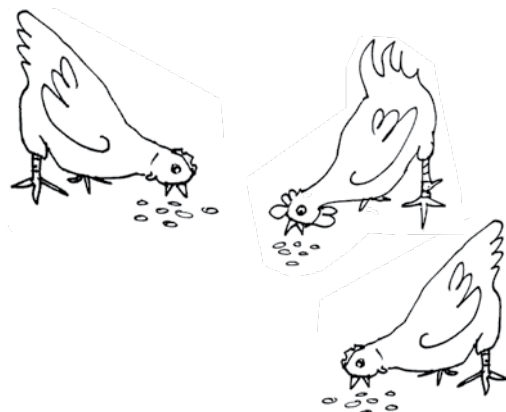
$$\text{4} + \text{6} + \text{2} = \square \quad \text{5} + \text{5} + \text{9} = \square$$

$$\text{7} + \text{3} + \text{5} = \square \quad \text{2} + \text{8} + \text{1} = \square$$

231. Lahenda ülesanne vihikusse.

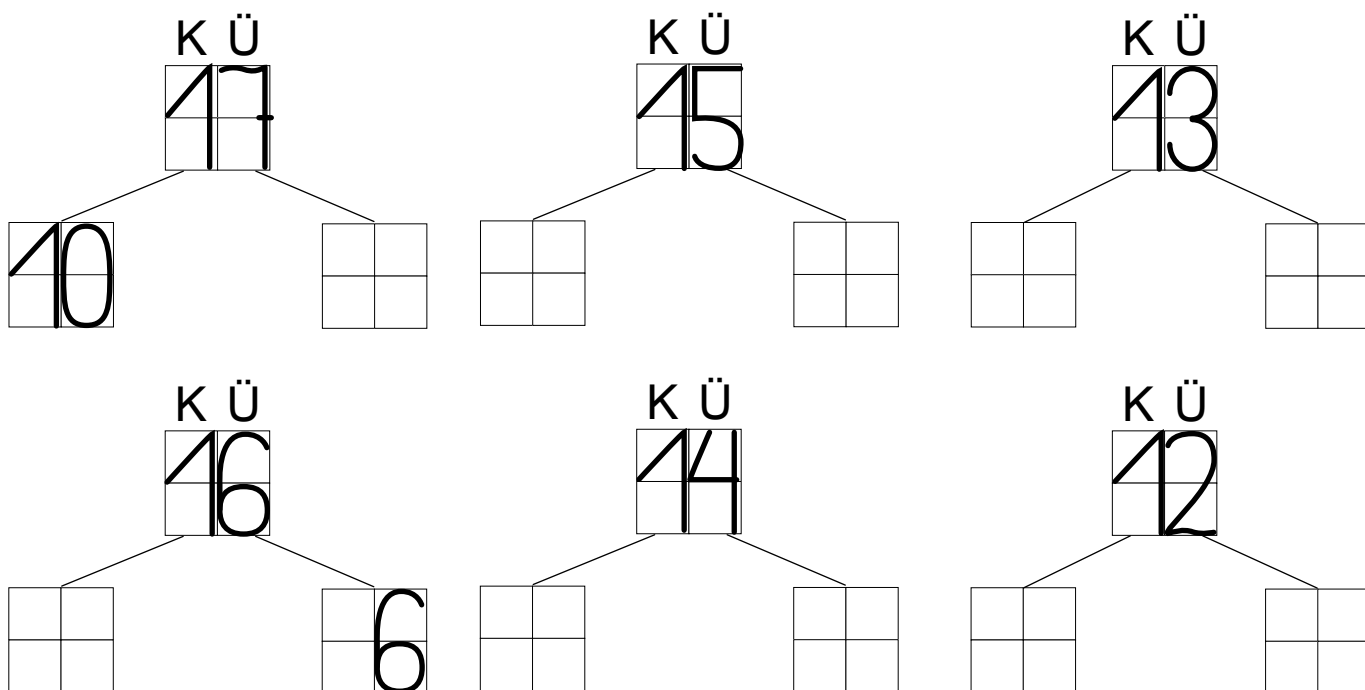
Tädi Marel on 6 pruuni,
4 musta ja 7 valget kana.

Mitu kana on tädi Marel kokku?



LAHUTAMINE KÜMNENI JA KÜMNEST

232. Kirjuta arvu asendajad.



233. Joonista vajalik arv kriipse. Arvuta.



$$10 - 2 = \square$$



$$10 - 5 = \square$$



$$10 - 4 = \square$$



$$10 - 7 = \square$$

234. Arvuta.

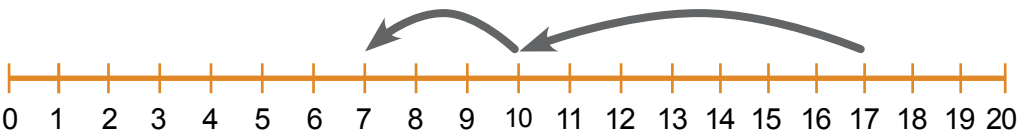
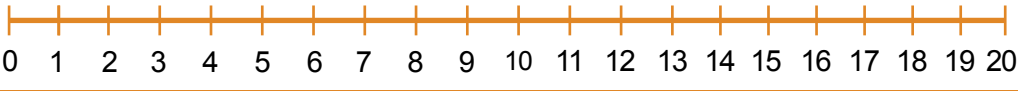
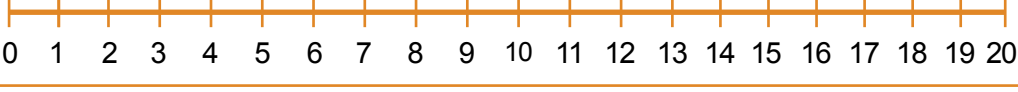


$$12 - 2 - 6 = \square$$



$$14 - 4 - 5 = \square$$

235. Arvuta.

$17 - 7 - 3 =$	
$11 - 1 - 4 =$	
$16 - 6 - 2 =$	
$13 - 3 - 5 =$	

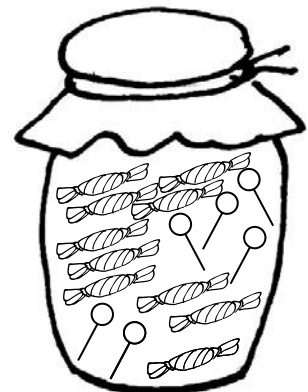
236. Lahenda ülesanne.

Purgis oli 16 kommi.

Lapsed sõid kõige-pealt ära

6 pulga-kommi ja siis veel 3 kommi.

Mitu kommi jäi purki?



Andmed:

 kokku

Sõid ära 

Sõid ära 

Mitu jäi purki?

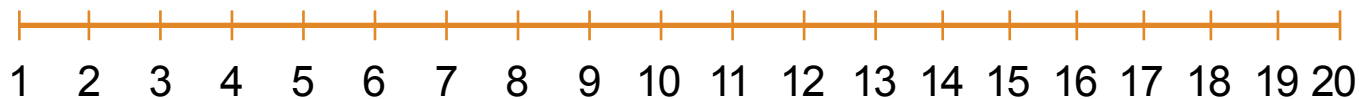
Lahendus:

Mitu kommi jäi?

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Vastus: Purki jäi kommi.

237. Arvuta.



$$12 - 2 - 5 = 5$$

$$15 - 5 - 4 = \underline{\quad}$$

$$14 - 4 - 2 = \underline{\quad}$$

$$16 - 6 - 3 = \underline{\quad}$$

$$13 - 3 - 5 = \underline{\quad}$$

$$11 - 1 - 1 = \underline{\quad}$$

$$11 - 1 - 6 = \underline{\quad}$$

$$13 - 3 - 2 = \underline{\quad}$$

238. Lahenda ülesanne.

Kadril oli 12 eurot.

Ta ostis kapsa, mis maksis 2 eurot.

Veel ostis ta kaalika, mis maksis 1 euro.

Kui palju raha jäi Kadril järele?



Andmed:

Oli eurot.

Kapsas maksis eurot.

Kaalikas maksis eurot.

Kui palju raha jäi?

Lahendus:

Kui palju raha jäi?

		€			€			€	=		€
--	--	---	--	--	---	--	--	---	---	--	---

Vastus: Järele jäi eurot.

239. Leia puuduv arv.

$$16 - 6 - \text{leht} = 5$$

$$13 - 3 - \text{leht} = 8$$

$$11 - 1 - \text{leht} = 7$$

$$18 - 8 - 4 = \text{leht}$$

$$15 - 5 - \text{leht} = 9$$

$$14 - \text{leht} - 3 = 7$$



Üle jäi leht numbriga

240. Arvuta. Mis-sugune vana-sõna on peidus?

$13 - 3 - 6 =$	S
$11 - 1 - 3 =$	A
$19 - 9 - 7 =$	E
$14 - 4 - 2 =$	Õ
$12 - 2 - 5 =$	B

$19 - 9 - 9 =$	K
$18 - 8 - 4 =$	P
$16 - 6 - 8 =$	O
$11 - 1 - 1 =$	I

1	3	4		8	6	9	5		4	3	3		2	4	1	7	5

KOLMNURK. NELINURK

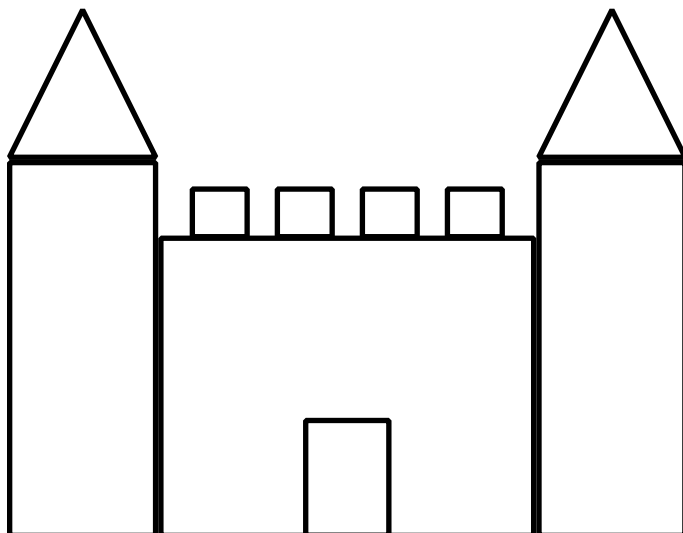
241. Värvi.



roheline



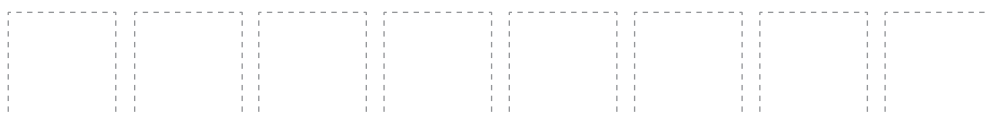
punane



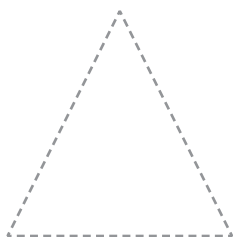
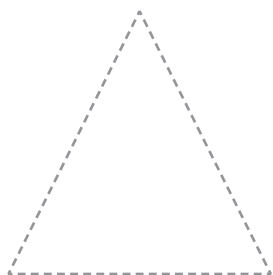
242. Joonista pliatsiga punktiir-jooned üle.



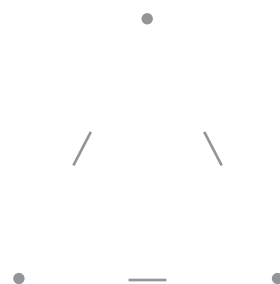
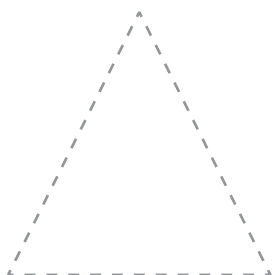
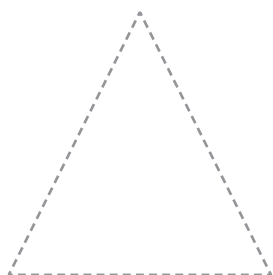
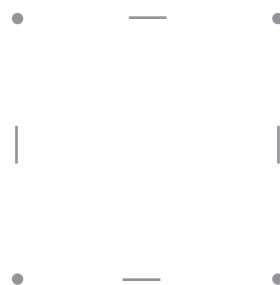
243. Joonista sama-sugused read.



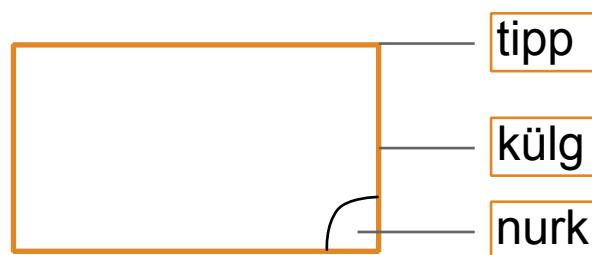
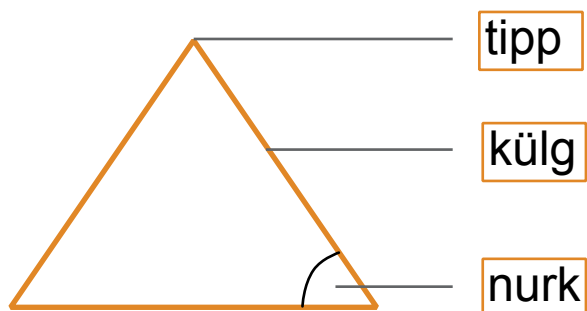
244. Joonesta kujundid üle. Kasuta joon-lauda.



245. Joonesta kujundid üle. Kasuta joon-lauda.



246. Vaata joonist. Võrdle kolm-nurka ja neli-nurka.



Kolm-nurgal on nurka.

Kolm-nurgal on külge.

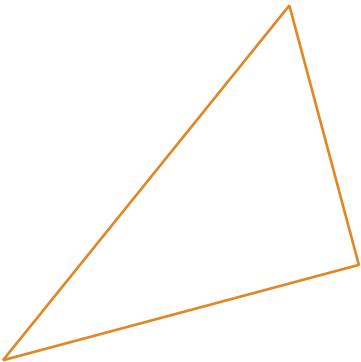
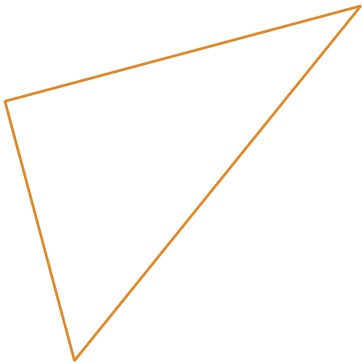
Kolm-nurgal on tippu.

Neli-nurgal on nurka.

Neli-nurgal on külge.

Neli-nurgal on tippu.

247. Mitu nurka? Mitu külge? Mitu tippu? Kirjuta.

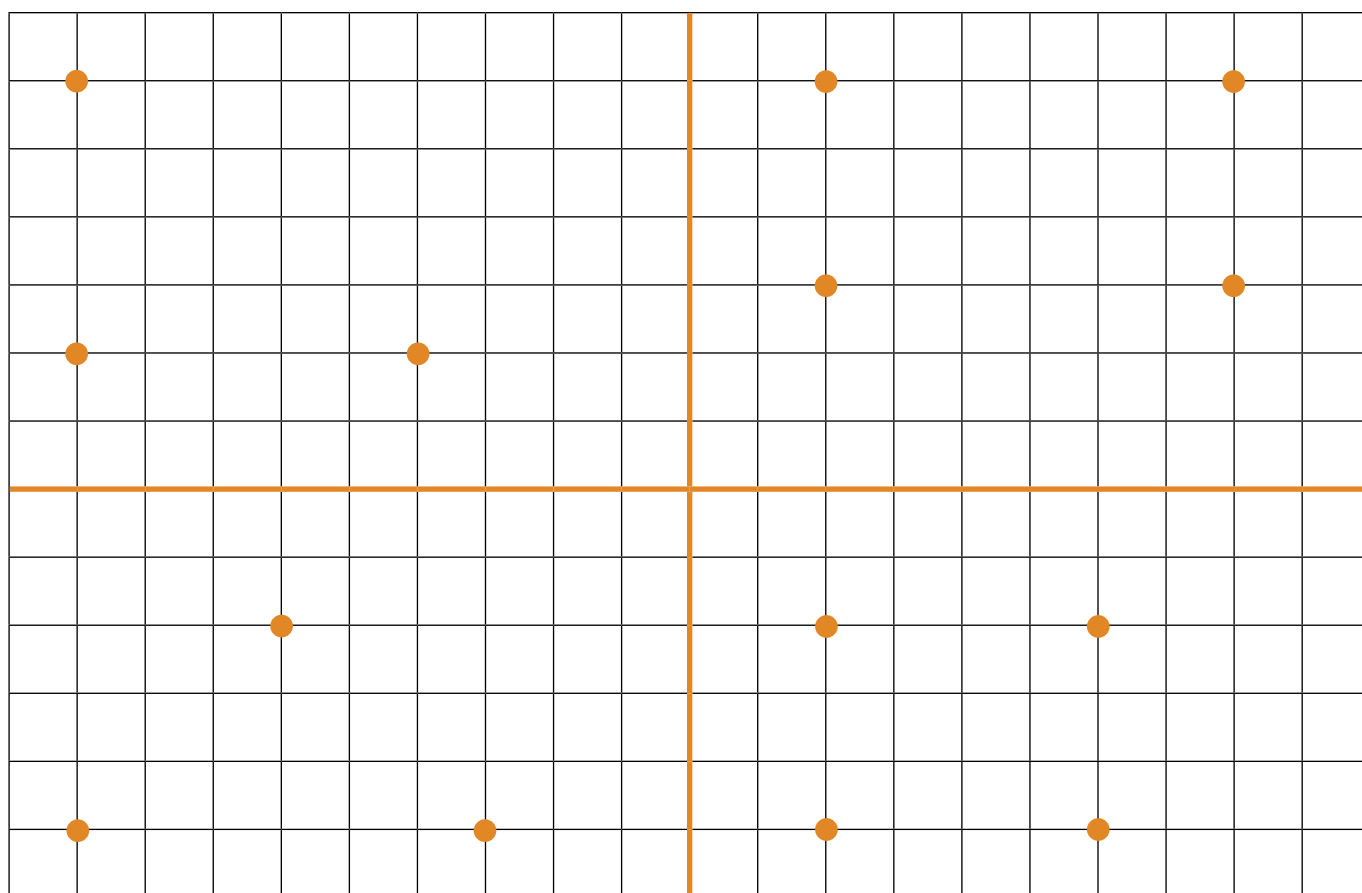
		
..... nurka	 nurka	 nurka
..... külge	 külge	 külge
..... tippu	 tippu	 tippu

Värvi neli-nurk roheliseks.

248. Mitu külge? Piira õige arv joonega.

											
3	4	5	1	2	3	5	4	8	0	1	2

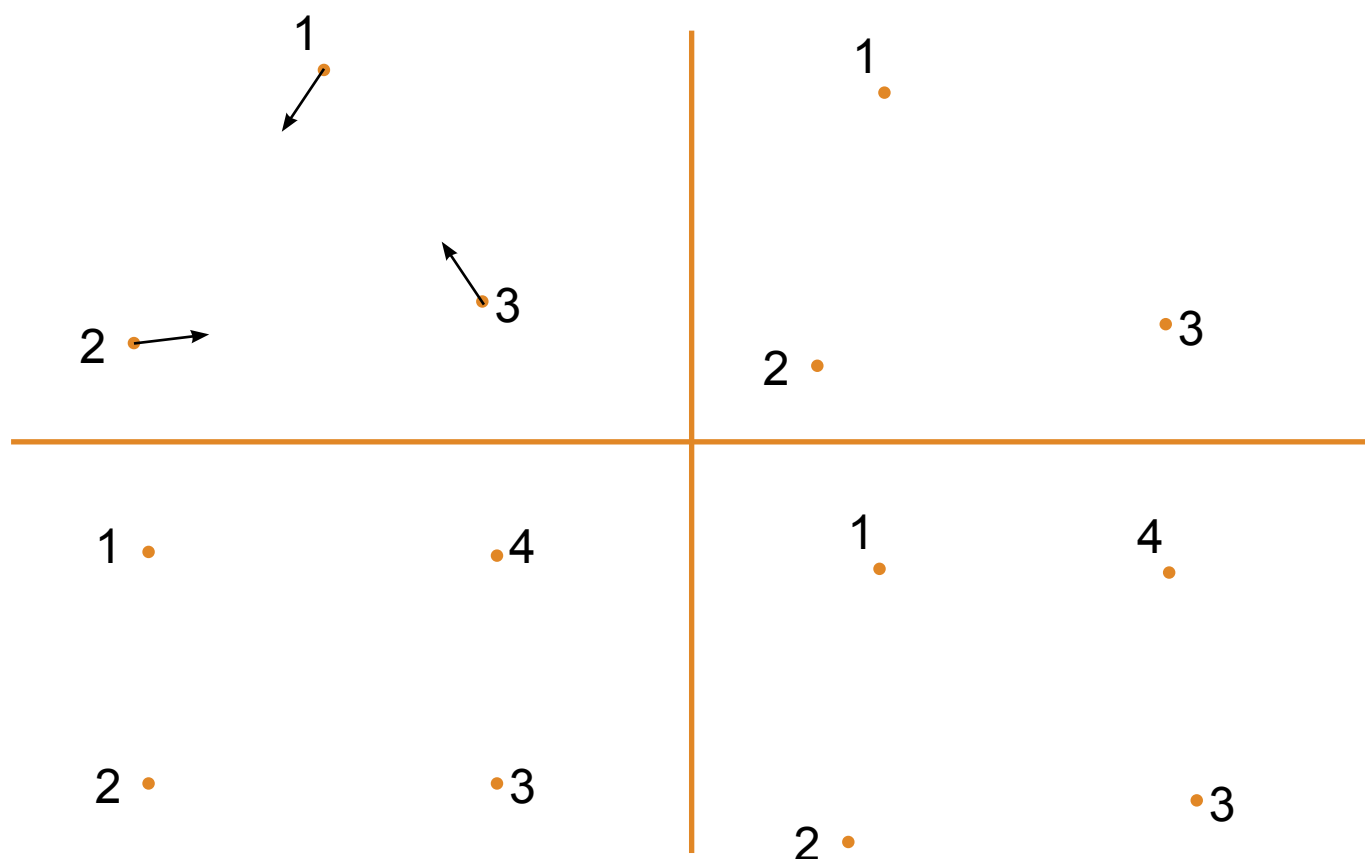
249. Ühenda punktid joon-laua abil joonega.



Nimeta saadud kujundid.

Värvi kolm-nurgad roheliseks.

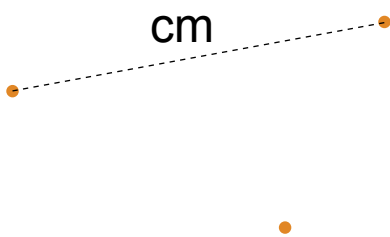
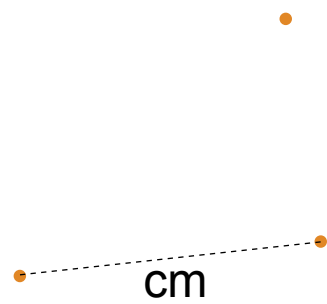
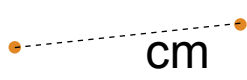
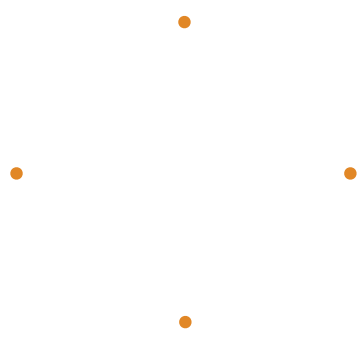
250. Ühenda numbrid joon-laua abil joonega.



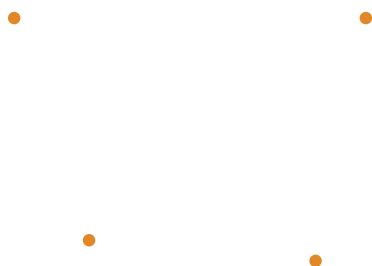
251. Ühenda punktid joon-laua abil joonega. Täida lüngad.

 külgi nurki tippe	 külgi nurki tippe	 külgi nurki tippe
--	--	--

252. Ühenda punktid joon-laua abil joonega. Mõõda. Värvi.

					
nurka	külge	tippu	nurka	külge	tippu
Mõõda märgitud külje pikkus.			Värvi nurgad siniseks.		
					
nurka	külge	tippu	nurka	külge	tippu
Mõõda märgitud külje pikkus.			Värvi tipud punaseks.		
					
nurka	külge	tippu	nurka	külge	tippu
Mõõda märgitud külje pikkus.			Värvi tipud punaseks.		

253. Ühenda punktid joon-laua abil joonega.
 Värvi kujundi küljed rohelisteks.
 Tähistä kujundi tipud tähega. Täida lüngad.



..... külge.

..... nurka.

See on

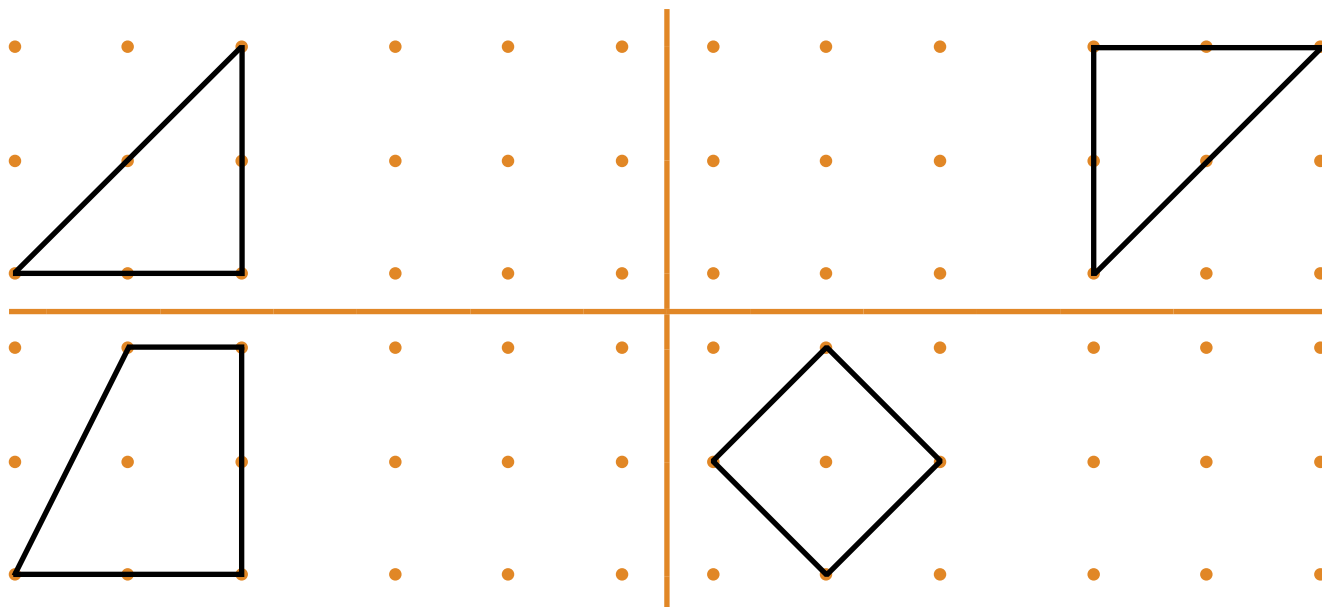


..... külge.

..... nurka.

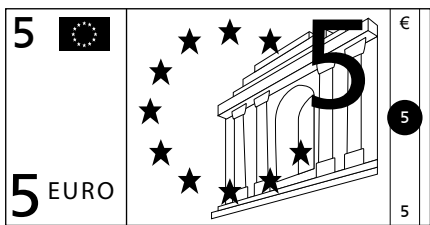
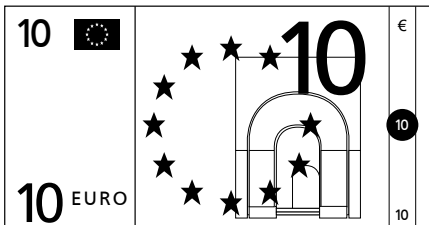
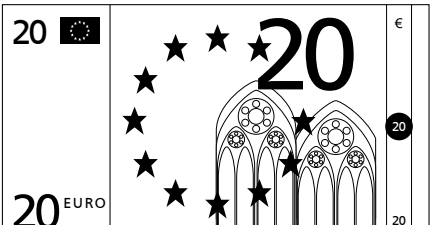
See on

254. Joonesta punktide järgi sama-sugused kujundid.



RAHATÄHTEDE JA MÜNTIDE VAHETAMINE SUUREMAKS VÕI VÄIKSEMAKS

255. Mitu eurot on iga raha-täht?

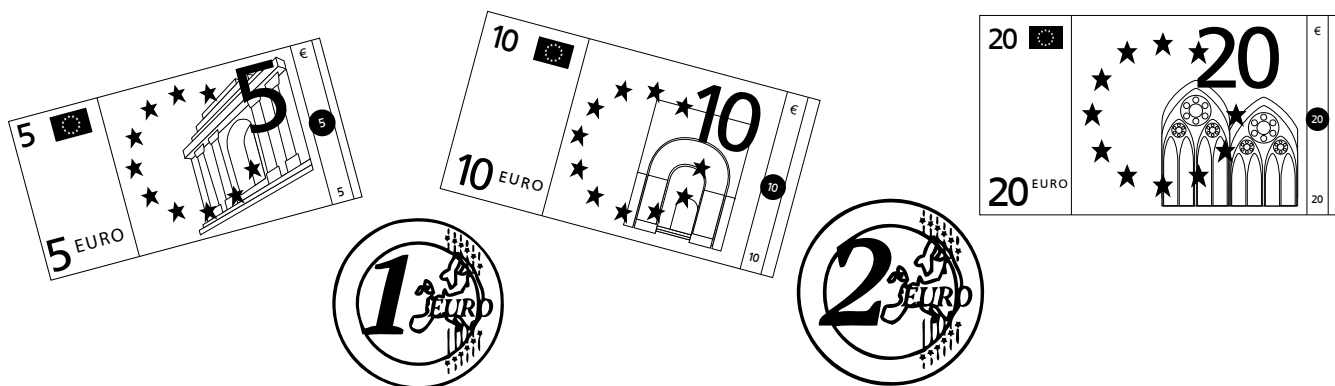
 eurot	 eurot	 eurot
--	---	--

Jäta meelde:

Euro tähis on €.	€
------------------	---

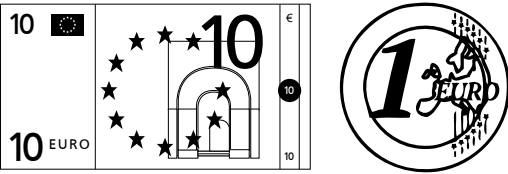
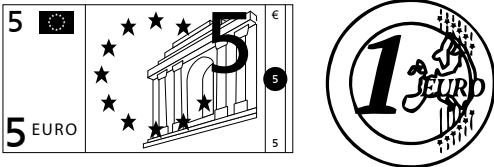
256. Nimeta pildil olevad rahad.

Järjesta eurod alates kõige suurema väärtusega rahast.

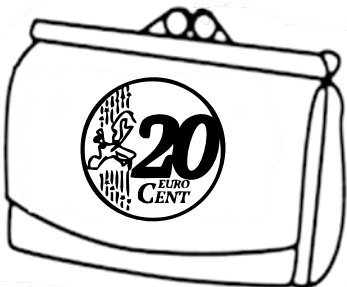
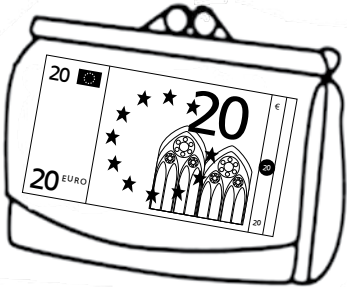
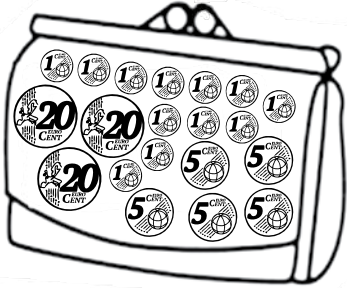


€	€	€	€	€
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257. Mitu eurot on? Mitu senti on? Kirjuta.

258. Kellele kuulub raha-kott? Ühenda.

	● Karinal on 20 münti. ● Sandril on 20 senti. ● Raunol on 20 eurot.
	● Karinal on 20 münti. ● Sandril on 20 senti. ● Raunol on 20 eurot.
	● Karinal on 20 münti. ● Sandril on 20 senti. ● Raunol on 20 eurot.

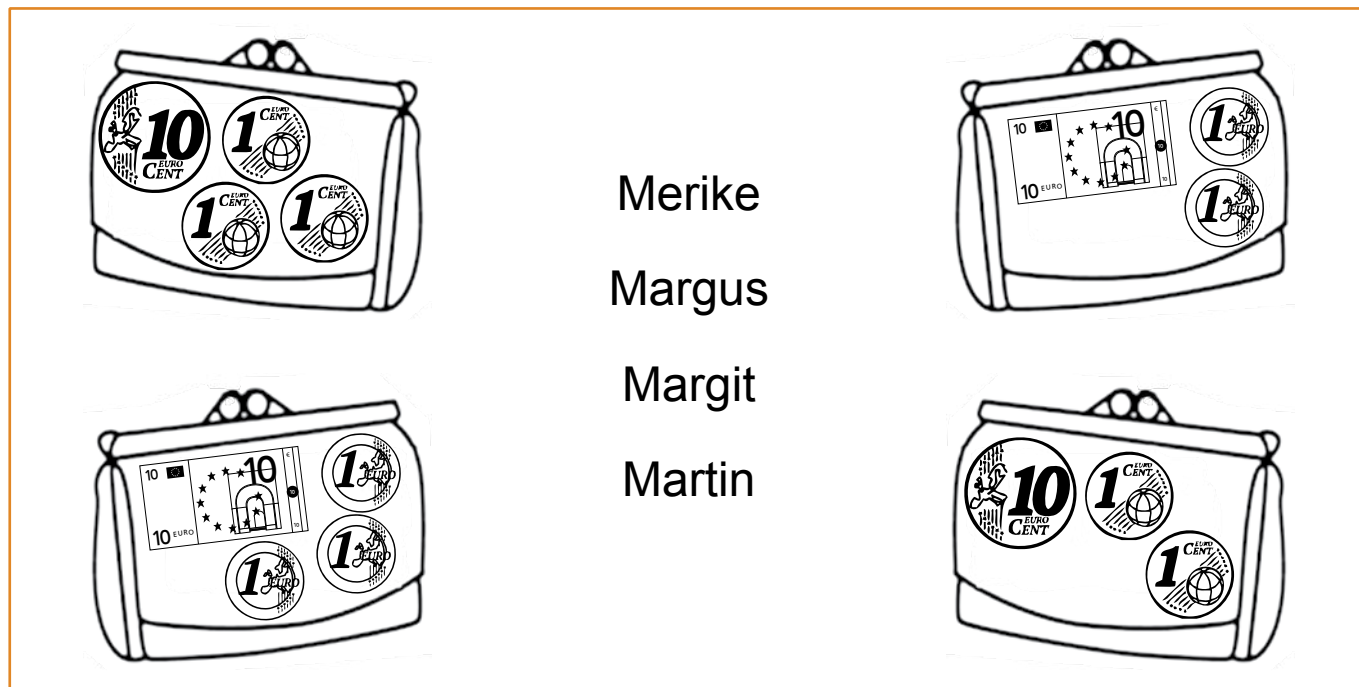
259. Loe laused. Ühenda raha-kott ja selle omanik.

Merikesel on 13 eurot.

Margusel on 12 eurot.

Margitil on 13 senti.

Martinil on 12 senti.



260. Loe. Leia raha-kott. Ühenda.

1. Lisellel oli raha-kotis 10 münti.

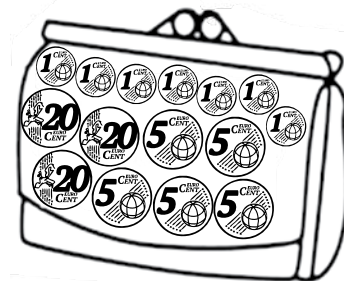
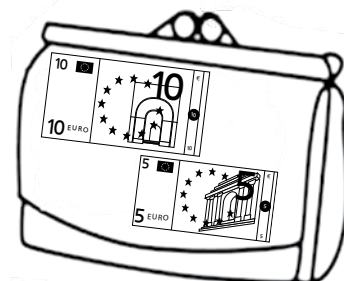
Ta pani sinna juurde veel 5 münti.

2. Kasparil oli raha-kotis 10 senti.

Ta lisas sinna veel 5 senti.

3. Triinul oli raha-kotis 5 eurot.

Vanaisa kinkis talle 10 eurot.



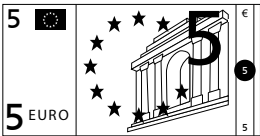
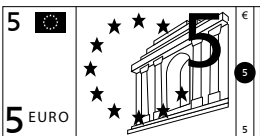
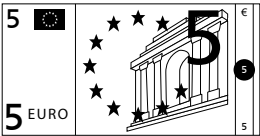
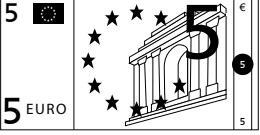
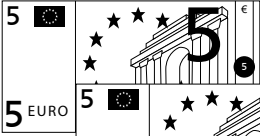
261. Vaheta antud münt väiksemate müntide vastu.

Märgi ☒ sobivad mündid.



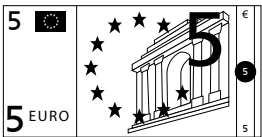
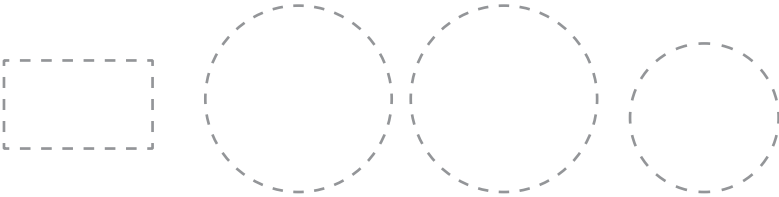
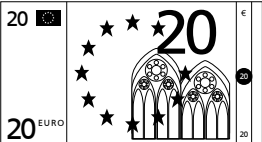
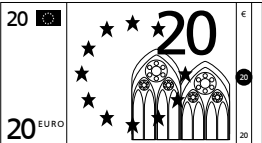
 ☐ 1 euro ☐ 1 sent ☐ 1 sent	 ☐ 1 sent ☐ 2 senti ☐ 2 senti
 ☐ 1 sent ☐ 1 sent ☐ 1 sent ☐ 2 senti ☐ 5 senti	 ☐ 1 sent ☐ 1 sent ☐ 1 sent ☐ 2 senti ☐ 5 senti
 ☐ 2 senti ☐ 2 eurot ☐ 5 senti ☐ 5 senti	 ☐ 2 senti ☐ 5 senti ☐ 5 senti ☐ 10 senti
 ☐ 1 sent ☐ 2 senti ☐ 5 senti ☐ 10 senti ☐ 10 senti	 ☐ 1 sent ☐ 1 sent ☐ 1 euro ☐ 1 euro ☐ 2 senti

262. Kes vahetas raha õigesti? Märki x.

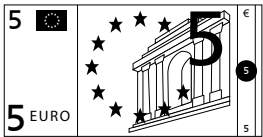
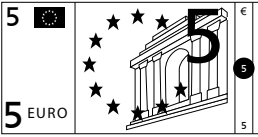
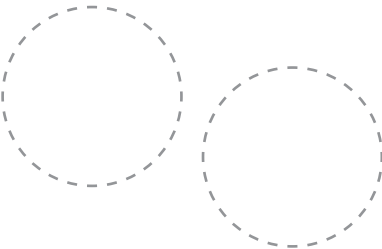
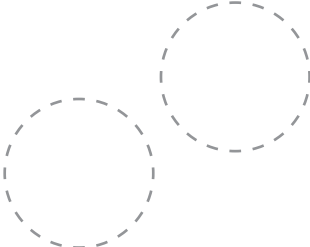
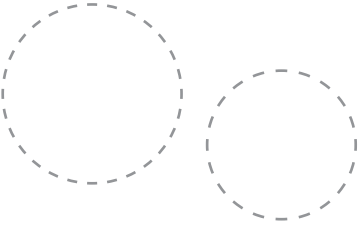
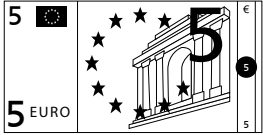
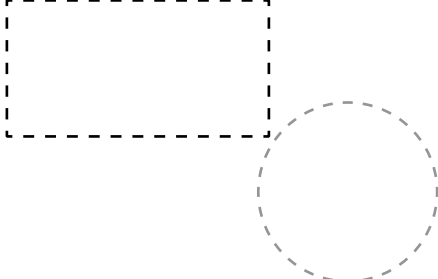
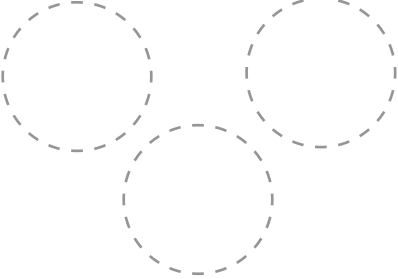
  	 	  	  
   	 	  	   
  	 	  	 
   	 	  	    
  	 	  	 

**263. Vaheta eurod väiksemate rahade vastu.
Joonista sobivad vastused.**

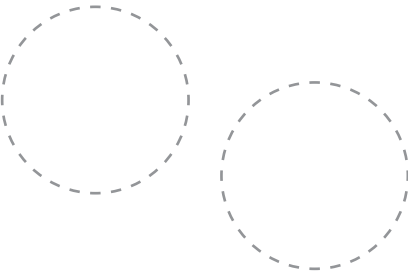
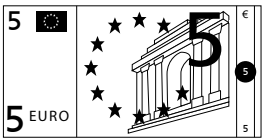
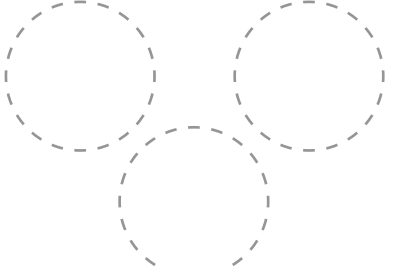
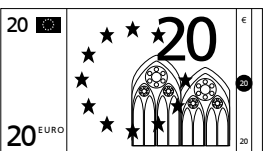
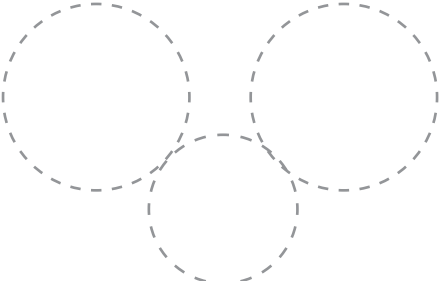
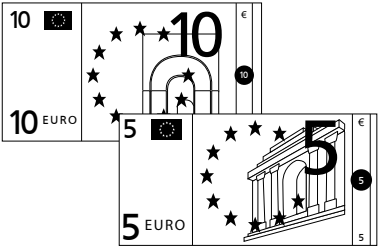
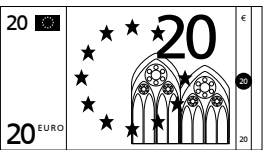
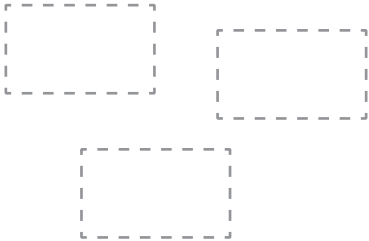
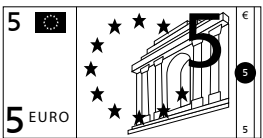


	Väiksemad rahad
	
	
	
	
	
	
	

264. Vaheta suuremate rahatähtede vastu. Kontrolli.

 		
K: 3 € + € = €		
 		
K: € + € = €		
		
K: € + € = €		
		
K: € + € = €		

265. Vaheta suurema väärtusega rahad väiksemate vastu. Kontrolli.

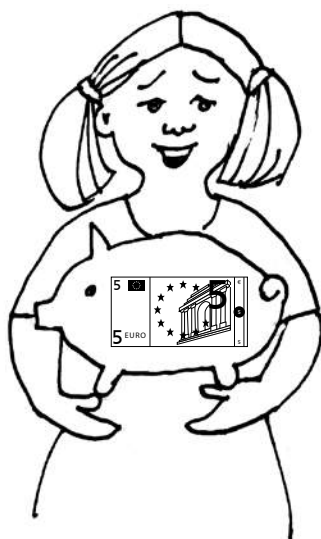
		
K: € – € = €		
		
K: € – € = €		
		
K: € – € = €		
		
K: € – € = €		

RAHATÄHTEDEST JA MÜNTIDEST VAJALIKU SUMMA MOODUSTAMINE

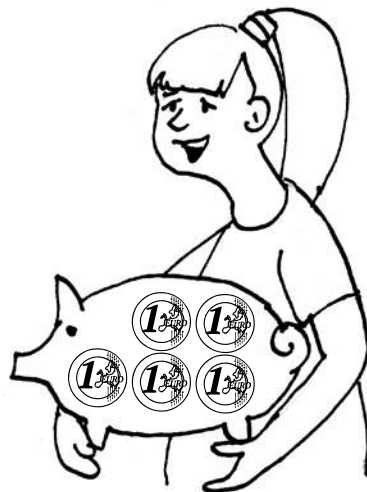
266. Mitu eurot on?



Maril on €.



Annelil on ... €.



Meelikal on €.

Vasta küsimustele.



Kas Mari saab osta nuku?

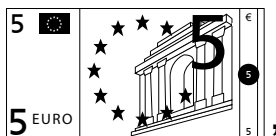
Kas Anneli saab osta nuku?

Kas Meelika saab osta nuku?.....

267. Lahenda ülesanne.

Taavi tahab osta kaisu-karu.

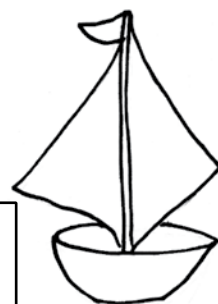
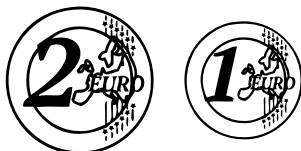
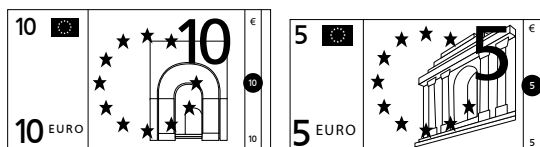
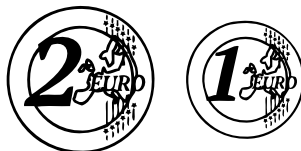
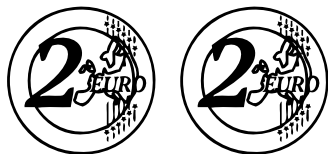
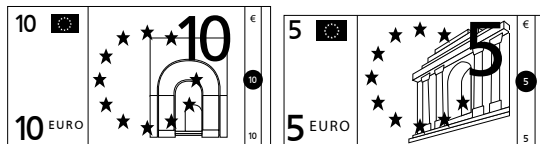
Tal on raha-kotis:



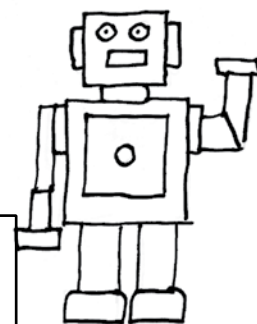
Kas Taavi saab osta kaisu-karu?

Mitu eurot tuleb puudu?.....

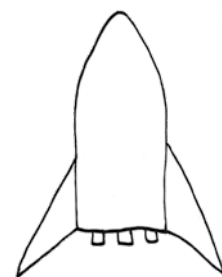
268. Leia mängu-asja ostuks vajalik summa. Ühenda.



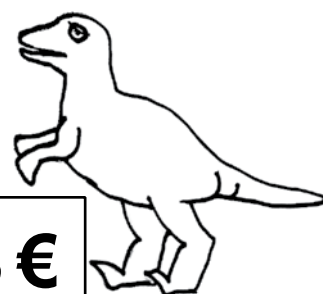
12 €



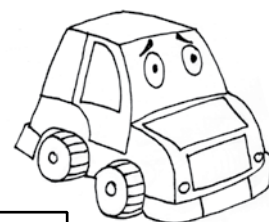
19 €



13 €



18 €



8 €

269. Milliste raha-tähtede ja müntidega saad summa asendada? Tähista ☒.

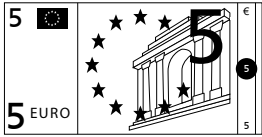
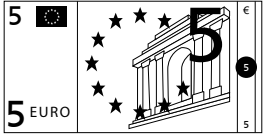
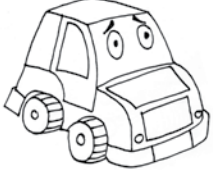
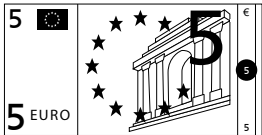
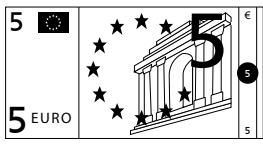
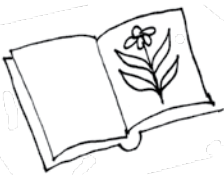
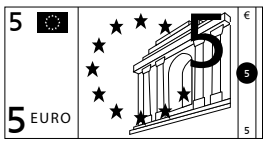
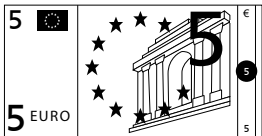


	10 €	5 €	1 €	2 €
11 €	X		X	
15 €				
7 €				
12 €				
6 €				
18 €				
16 €				

270. Moodusta raha-tähtedest ja müntidest vajalik summa. Kirjuta üle-jääva raha summa kasti.

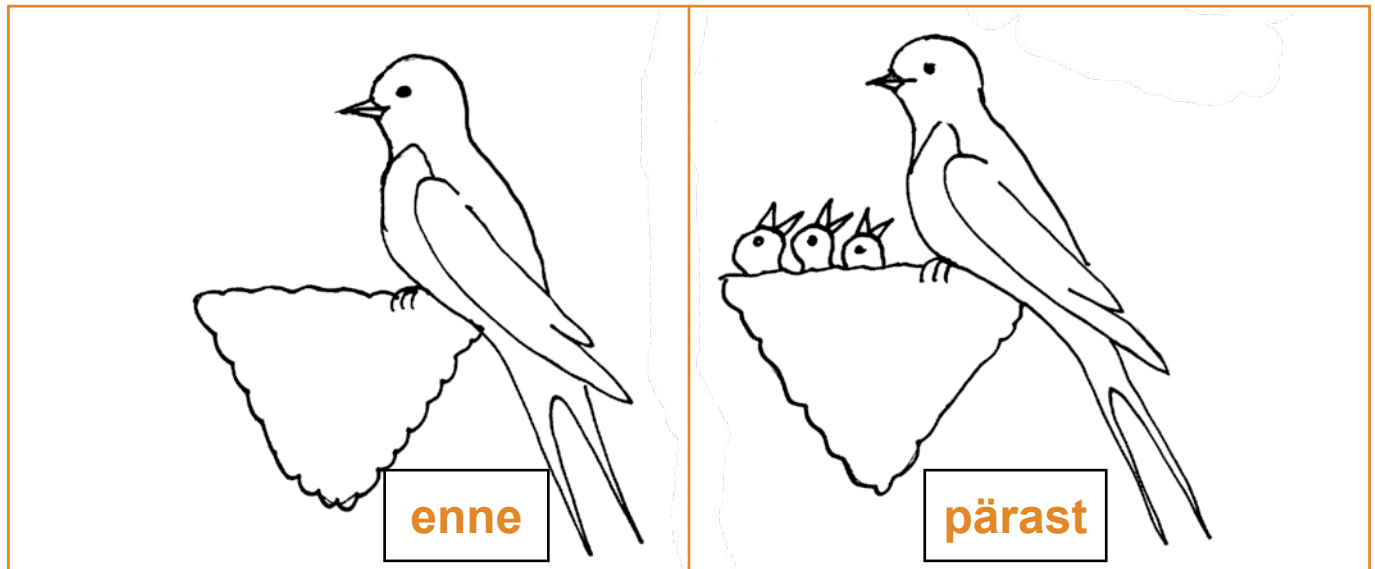
13 € 1 €	6 €	10 €
4 €	8 €	12 €

271. Moodusta vajalik summa. Tõmba liigne raha maha.

	17 €	   
	9 €	   
	13 €	   
	7 €	  
	12 €	  
	8 €	   
	15 €	  
	4 €	  

ENNE – PÄRAST

272. Vaata pilte. Leia erinevus.

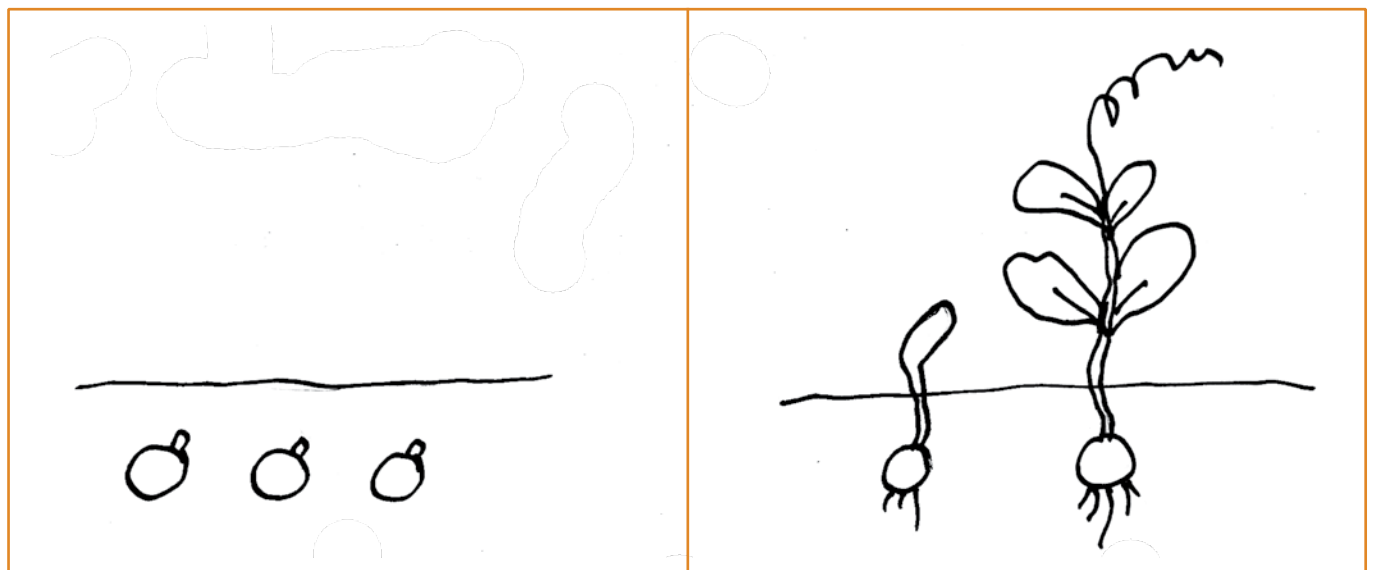


Räägi:

Mis oli pesas enne?

Mis oli pärast?

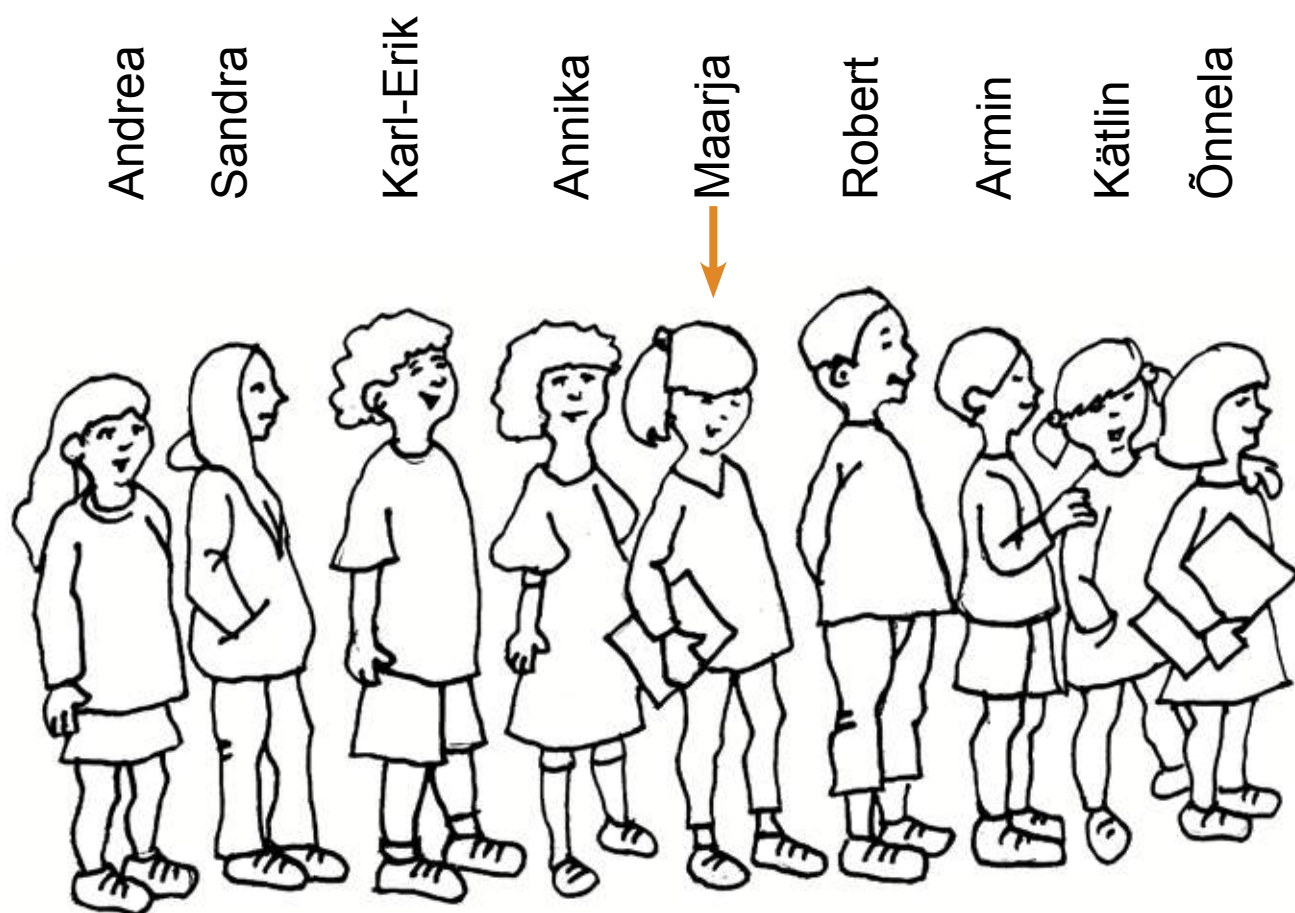
273. Vaata pilte. Kirjuta õige sõna (enne, pärast).



..... paneme seemned mulda.

..... kasvavad taimed.

274. Vaata pilti. Vasta küsimustele.



Kes on järje-korras enne Maarjat?

Kes on järje-korras pärast Maarjat?

**275. Mis oli enne (1.)? Mis oli pärast (2.)? Loe.
Järjesta laused.**

() Pere sööb õhtust.

() Ema valmistab õhtu-sööki.

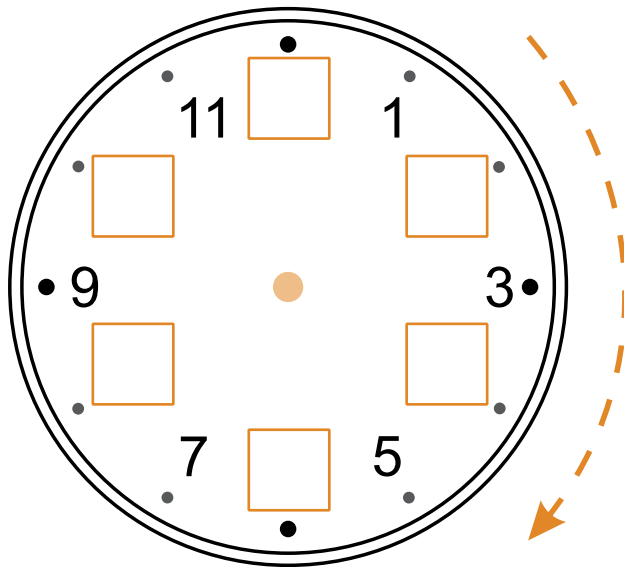
() Maarja korjab marju.

() Vana-ema keedab moosi.

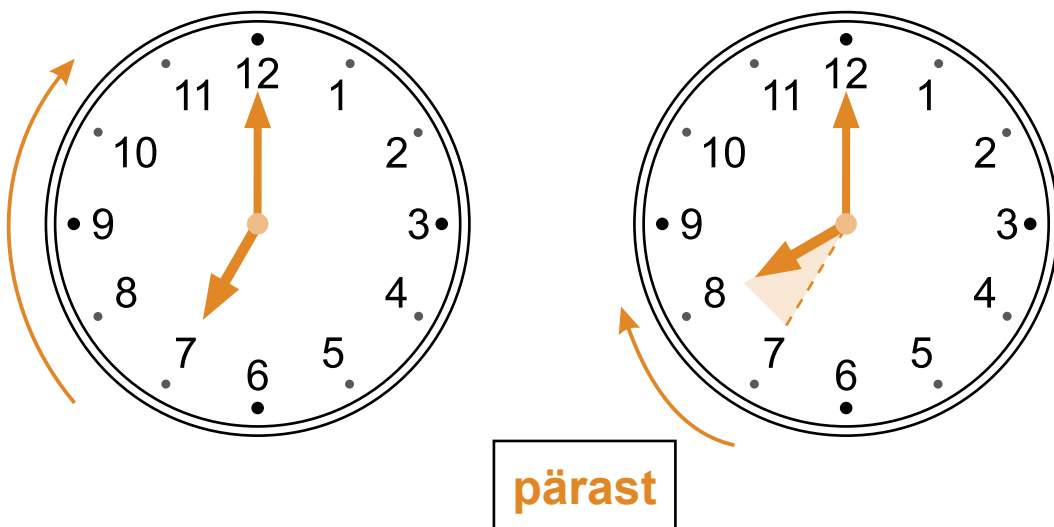
() Lapsed lähevad kooli.

() Lapsed õpivad tunnis.

276. Kirjuta puuduvad numbrid. Liigu noole järgi.



277. Vaata pilti. Loe. Kirjuta kella-aeg.

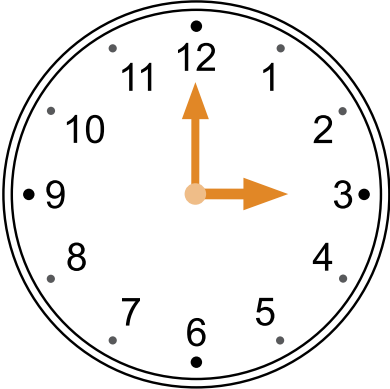
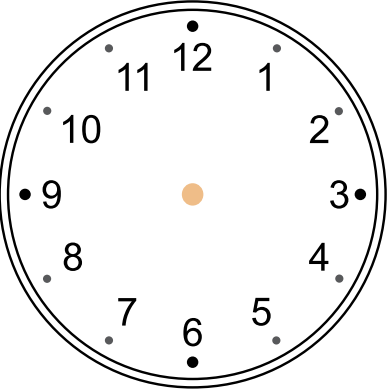
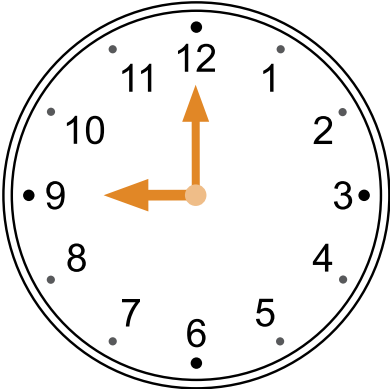
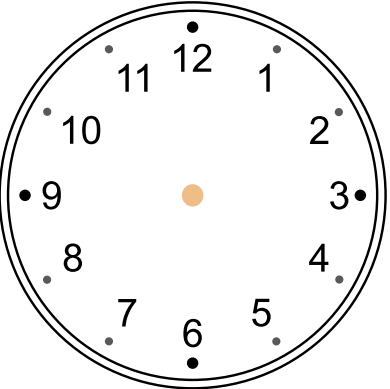
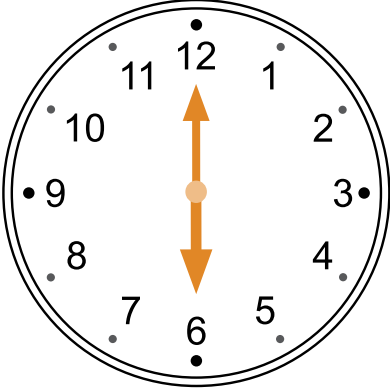
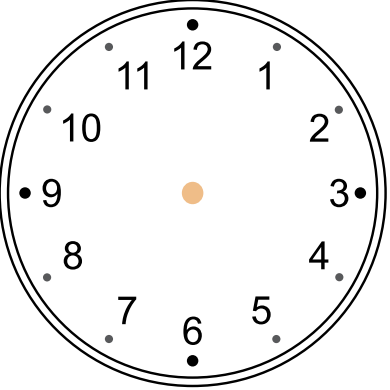
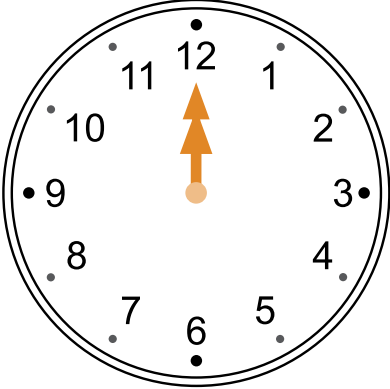
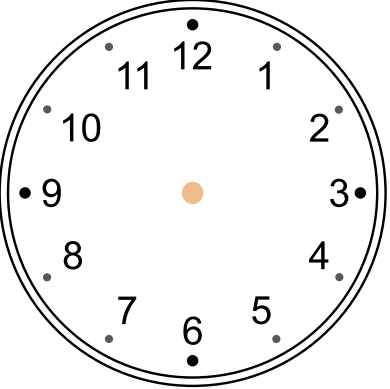


Pille-Riin ärkab kell .

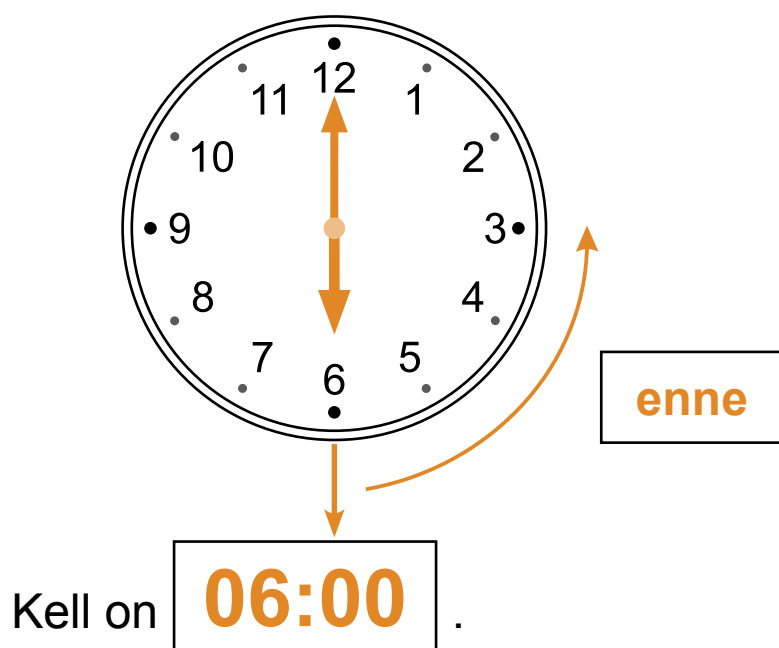
Kooli-päev algab 1 tunni **pärast**.

Tunnid algavad kell .

278. Mis kell on? Mis on kell 1 tunni pärast?
Joonista kellale osutid.

Kell on	Kell on 1 tunni pärast ...
	
	
	Kell on 2 tunni pärast ...
	
	

279. Vaata pilti. Märki ☒ täis-tunnid enne antud aega.



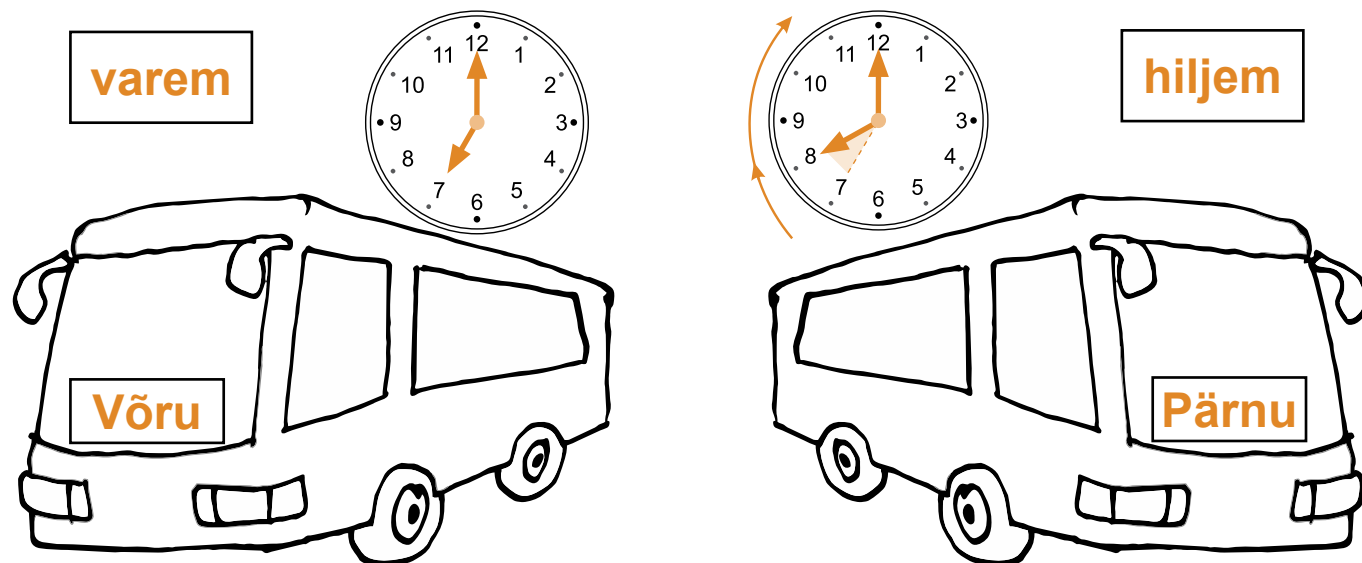
- ☐ kell seitse
- ☐ kell neli
- ☐ kell kaks
- ☐ kell üheksa
- ☐ kell viis
- ☐ kell kolm
- ☐ kell kaheksa
- ☐ kell üks

280. Mis on kell täis-tund enne? Mis on kell 3 tunni pärast?
Joonista kellale osutid.

Täis-tund enne		3 tunni pärast
	07:00	
	09:00	

VAREM – HILJEM

281. Vaata pilti. Räägi. Kirjuta.

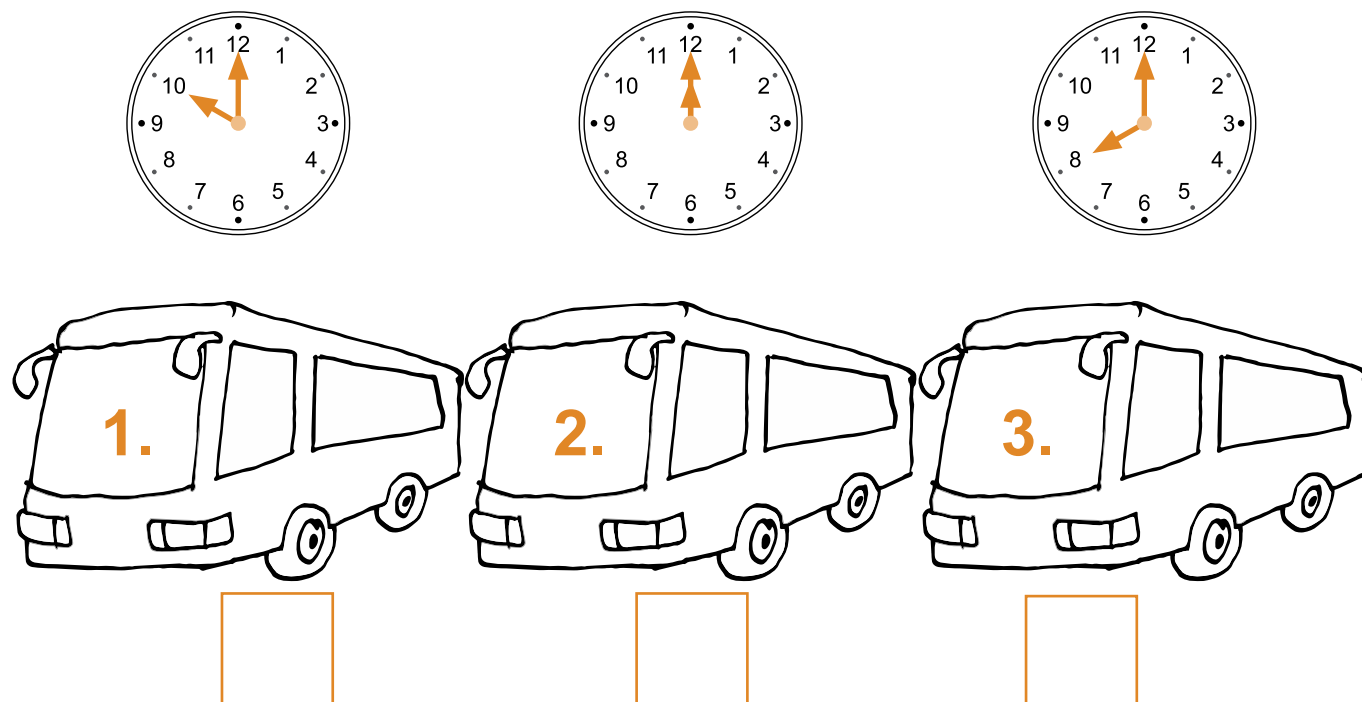


Võru buss väljub kell .

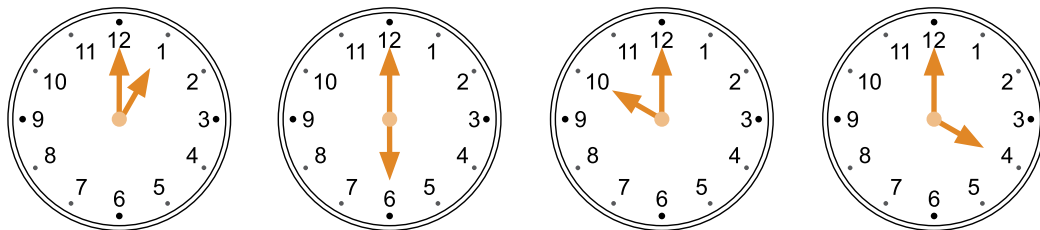
Pärnu buss väljub kell .

Pärnu buss väljub 1 tund .

282. Märki (X) bussid, mis väljuvad Pärnu bussist hiljem.



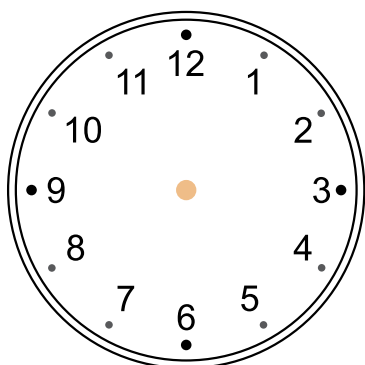
283. Kirjuta kella-aeg praegu ja 1 tund hiljem.



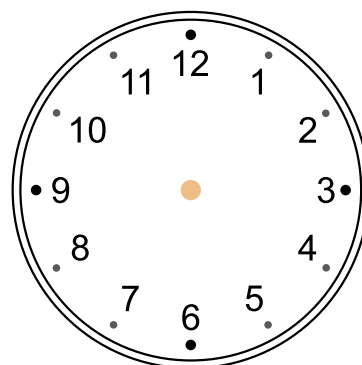
Praegu				
1 tund hiljem				
Joonista kellale osutid				

284. Loe. Joonista kellale osutid.

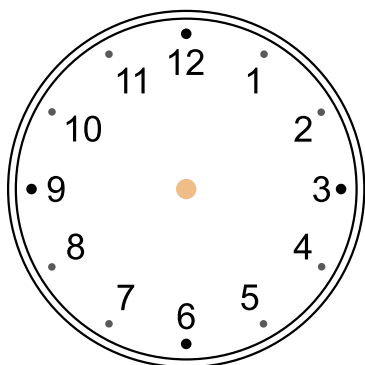
Ema tuli koju kell viis. Isa jõudis koju 2 tundi hiljem.



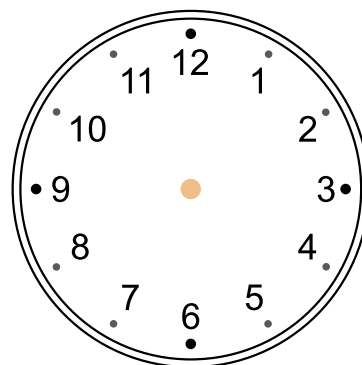
2 tundi hiljem



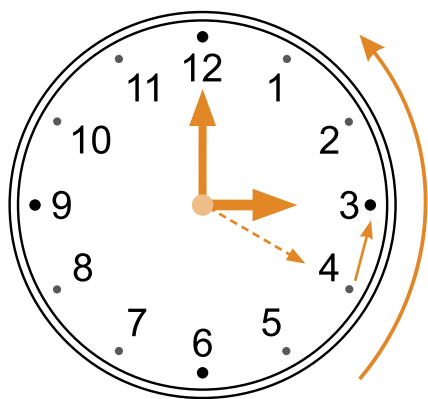
Kristiinal algas trenn kell kolm. Emili trenn algab 3 tundi hiljem.



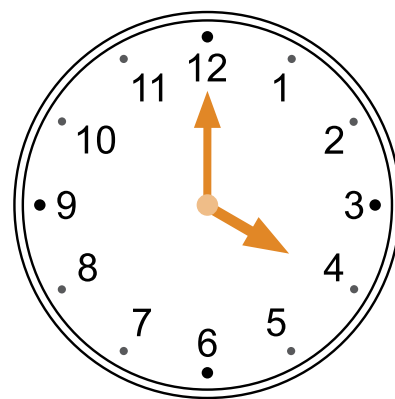
3 tundi hiljem



285. Vaata pilti. Loe. Kirjuta õige sõna (varem, hiljem).



1 tund **varem**

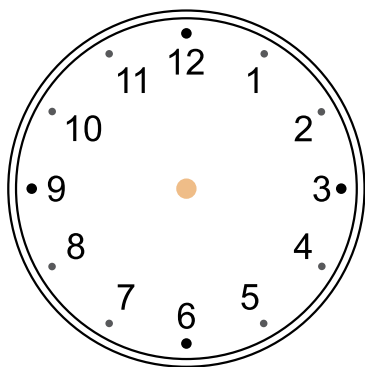


Klassi-õhtu algab kell **04:00** päeval.

Merilin läks kooli 1 tund **varem**, et õpetajat aidata.

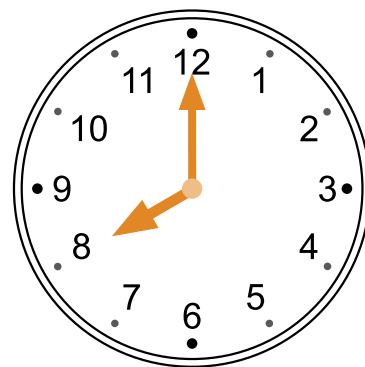
Ta läks kooli kell **03:00** päeval.

286. Mis kell on? Joonista kellale osutid.

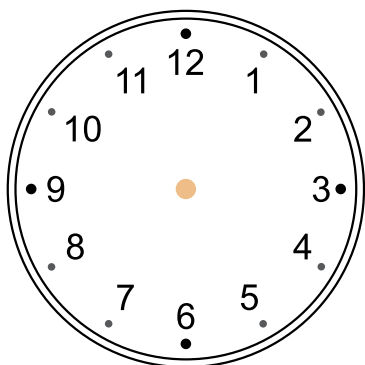


1 tund **varem**

1 tund varem oli kell

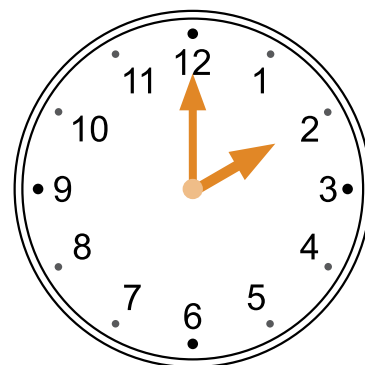


Kell on



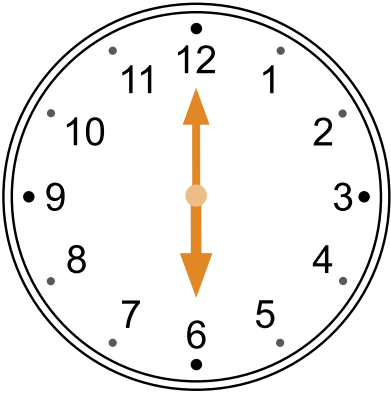
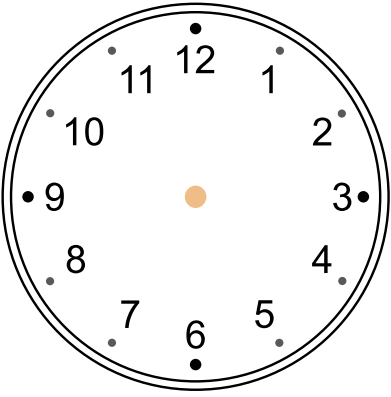
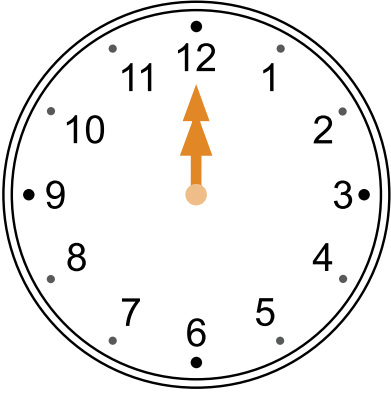
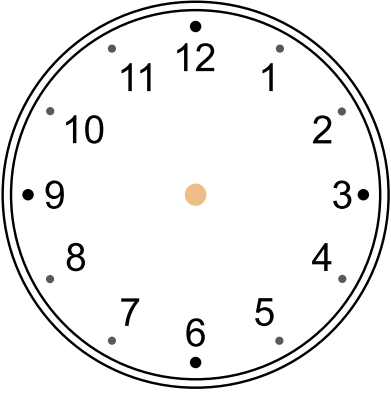
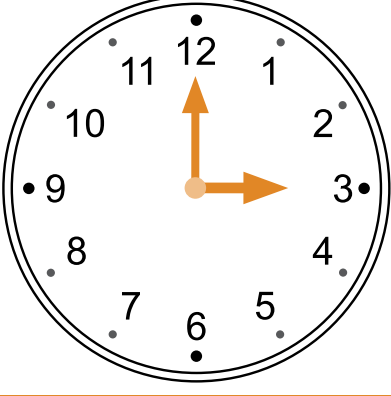
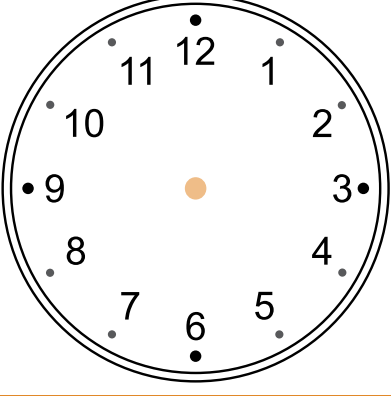
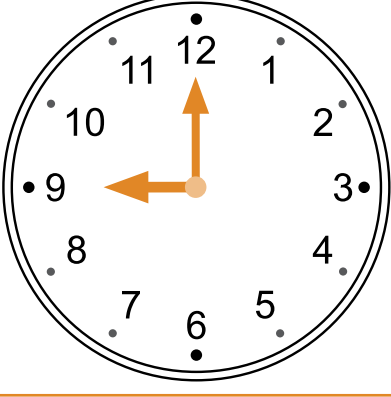
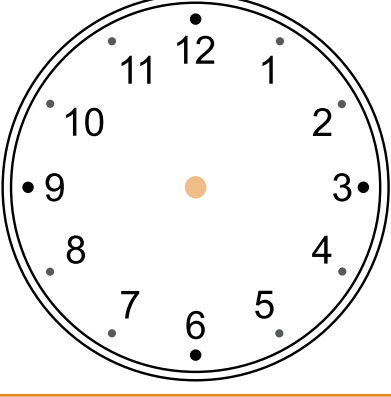
1 tund **varem**

1 tund varem oli kell



Kell on

287. Mis kell on? Joonista kellale osutid.

Kell on ...	Kell on 1 tund varem ...
	
	
	Kell on 2 tundi varem ...
	
	

288. Loe. Kirjuta puuduv kella-aeg.

Mihklil algab trenn kell päeval.

Jaagupi trenn algab **1 tund varem.**

Helen jõuab koju kell õhtul.

Heleri jõuab koju **1 tund hiljem.**

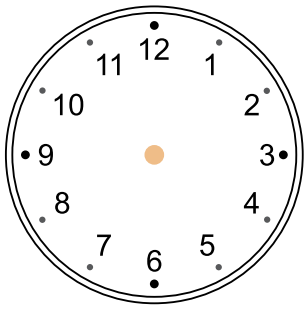
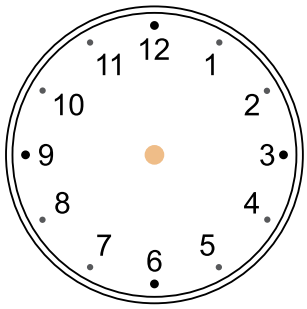
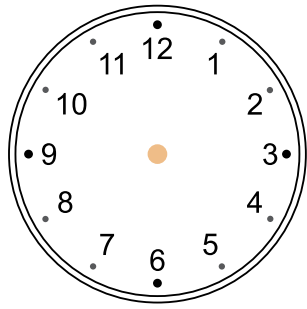
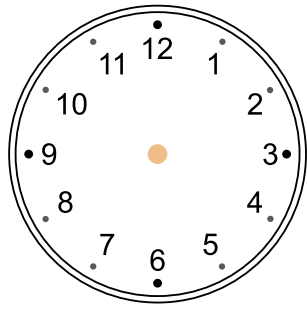
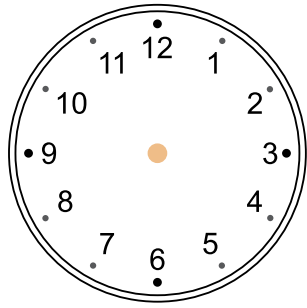
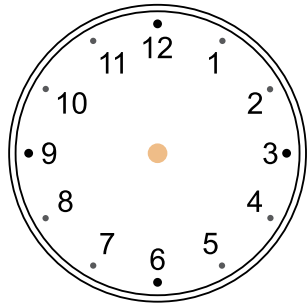
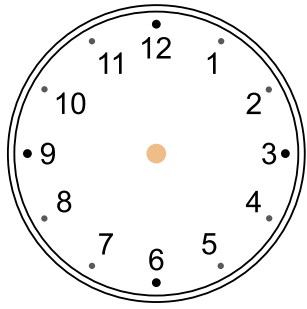
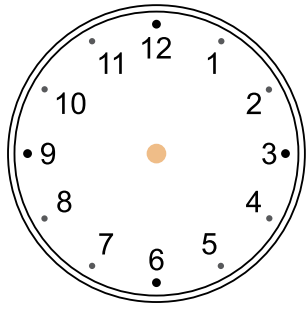
Mattias läheb magama kell õhtul.

Kajar läheb magama **1 tund varem.**

289. Mis kell on? Joonista kellale osutid.

2 tundi varem			
Kell on praegu	07:00	03:00	10:00
2 tundi hiljem			

290. Loe. Kirjuta puuduv kella-aeg. Joonista osutid.

 1 tund varem oli kell	Praegu on kell 07:00	 1 tund hiljem on kell
 1 tund varem oli kell	Praegu on kell 02:00	 2 tundi hiljem on kell
 2 tundi varem oli kell	Praegu on kell 05:00	 2 tundi hiljem on kell
 3 tundi varem oli kell	Praegu on kell 08:00	 2 tundi hiljem on kell

NIMEGA ARVUD

291. Arvuta. Täida lüngad.

14 päeva + 3 päeva = päeva

19 päeva – 12 päeva = päeva

..... päeva on

1

17 nädalat + 3 nädalat = nädalat

20 nädalat – 16 nädalat = nädalat

11 kuud + 5 kuud = kuud

18 kuud – 6 kuud = kuud

..... kuud on

1

15 aastat + 5 aastat = aastat

16 aastat – 12 aastat = aastat

292. Märki sobiv lause-lõpp ☒.

Aega saan määrata ...

- ☐ kuudes
- ☐ aegades
- ☐ aastates
- ☐ tundides
- ☐ päevades

Pikkust mõõdan ...

- ☐ käies
- ☐ sentides
- ☐ senti-meetrites

293. Arvuta.

$12 \text{ cm} + 7 \text{ cm} = \dots\dots \text{ cm}$

$19 \text{ cm} - 6 \text{ cm} = \dots\dots \text{ cm}$

$10 \text{ cm} + 10 \text{ cm} = \dots\dots \text{ cm}$

$17 \text{ cm} - 12 \text{ cm} = \dots\dots \text{ cm}$

$1 \text{ cm} + 4 \text{ cm} = \dots\dots \text{ cm}$

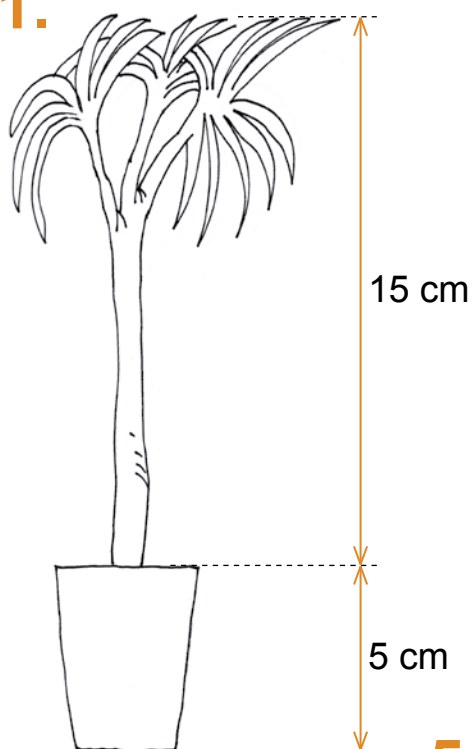
$20 \text{ cm} - 13 \text{ cm} = \dots\dots \text{ cm}$

$14 \text{ cm} + 6 \text{ cm} = \dots\dots \text{ cm}$

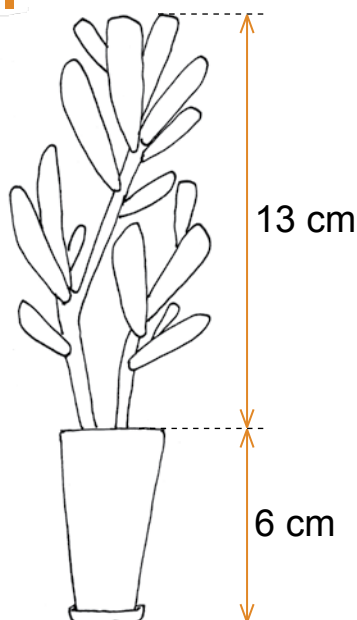
$18 \text{ cm} - 8 \text{ cm} = \dots\dots \text{ cm}$

294. Koosta ülesanne. Arvuta vihikus.

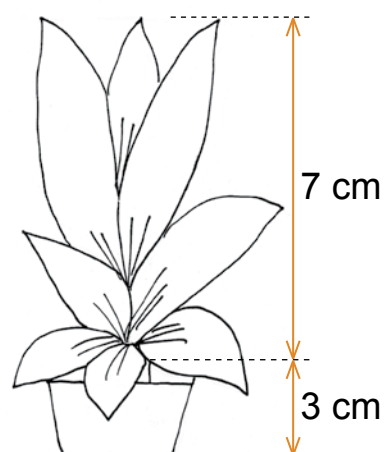
1.



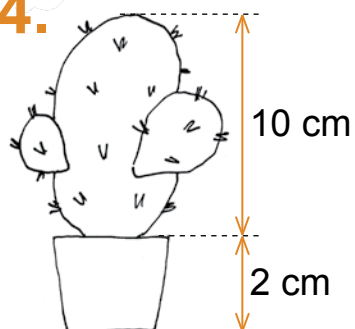
2.



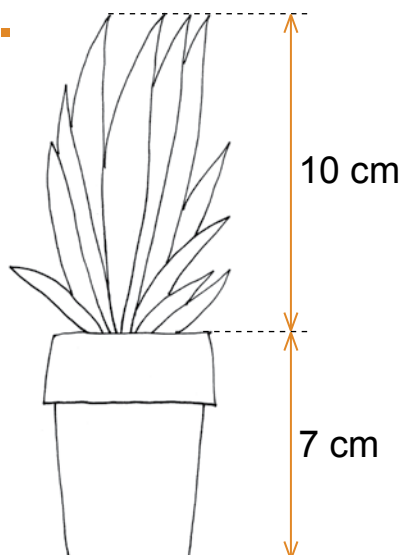
3.



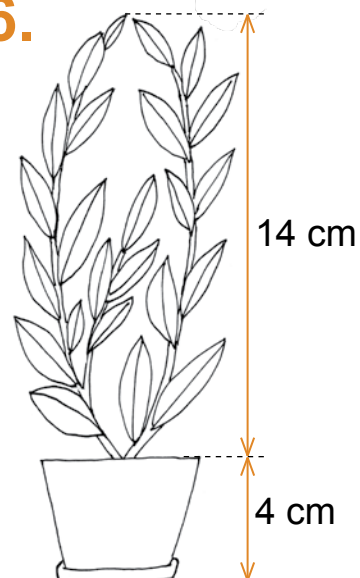
4.



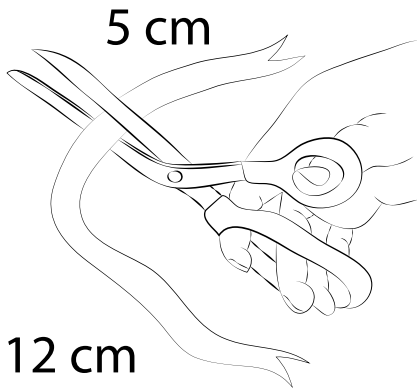
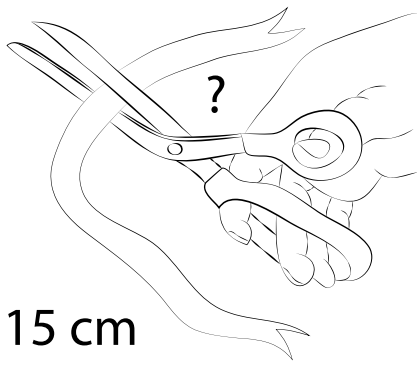
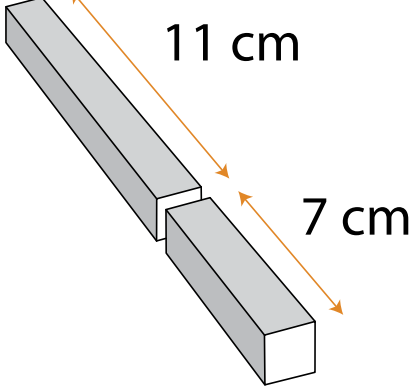
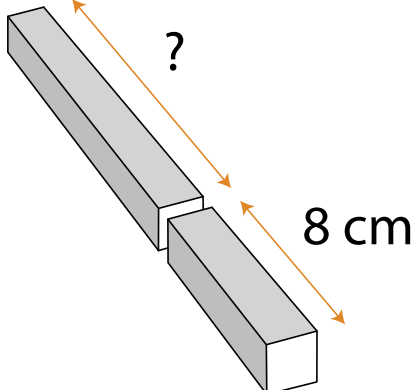
5.



6.



295. Lahenda ülesanded.

 12 cm 5 cm	Kadri lõikas paela kaheks. Ühe osa pikkus on 12 cm ja teisel 5 cm. Kui pikk oli pael?
 15 cm ?	Paela pikkus on 20 cm. Kartrin lõikas sellest 15 cm pikkuse tüki. Kui pikk tükk jäi järgi?
 11 cm 7 cm	Alar saagis puu-tüki kaheks. Üks osa on 7 cm ja teise pikkus on 11 cm. Kui pikk oli puu-tükk enne saagimist?
 ? 8 cm	Puu-tüki pikkus on 19 cm. Karl saagis selle 8 cm lühemaks. Kui pikk on teine puu-tükk?

296. Vali raha-ühikud. Märki ☒.

- Raha-ühikud on ... ☐ mündid
☐ sandid
☐ eurod
☐ sendid

297. Arvuta.

$14 \text{ s} + 5 \text{ s} = \dots \text{ s}$

$20 \text{ s} - 12 \text{ s} = \dots \text{ s}$

$10 \text{ s} + 7 \text{ s} = \dots \text{ s}$

$18 \text{ s} - 6 \text{ s} = \dots \text{ s}$

$12 \text{ s} + 8 \text{ s} = \dots \text{ s}$

$10 \text{ s} - 5 \text{ s} = \dots \text{ s}$

$16 \text{ €} + 2 \text{ €} = \dots \text{ €}$

$15 \text{ €} - 10 \text{ €} = \dots \text{ €}$

$13 \text{ €} + 5 \text{ €} = \dots \text{ €}$

$20 \text{ €} - 16 \text{ €} = \dots \text{ €}$

$18 \text{ €} + 2 \text{ €} = \dots \text{ €}$

$19 \text{ €} - 11 \text{ €} = \dots \text{ €}$

298. Arvuta. Võrdle (>, <, =).

$11 \text{ s} + 2 \text{ s} \dots 16 \text{ s} + 3 \text{ s}$

$17 \text{ s} - 6 \text{ s} \dots 20 \text{ s} - 9 \text{ s}$

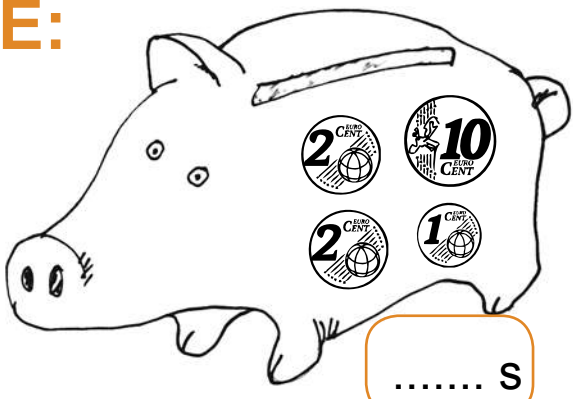
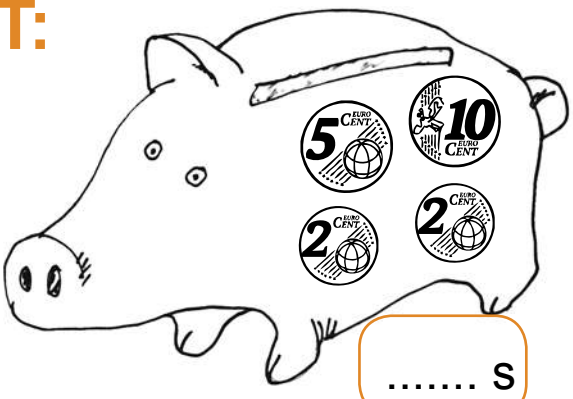
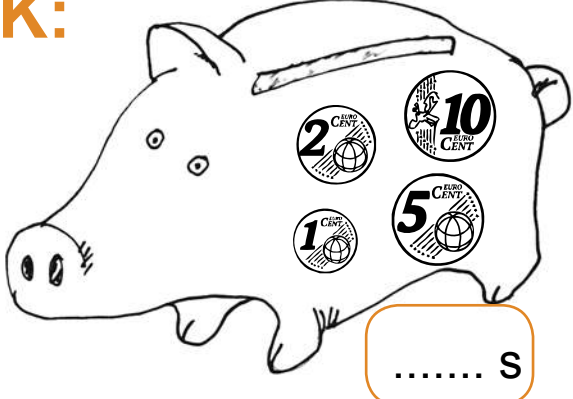
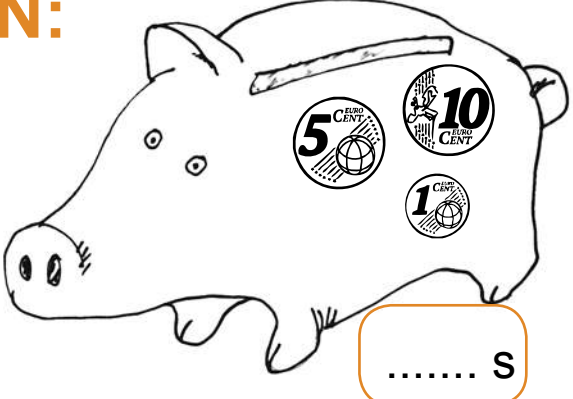
$6 \text{ s} + 4 \text{ s} \dots 18 \text{ s} - 8 \text{ s}$

$19 \text{ s} - 4 \text{ s} \dots 12 \text{ s} + 2 \text{ s}$

$20 \text{ €} - 6 \text{ €} \dots 12 \text{ €} + 4 \text{ €}$

$16 \text{ €} - 11 \text{ €} \dots 18 \text{ €} - 15 \text{ €}$

299. Kui palju raha pani Kirke iga päev hoiu-pörsasse?

E:  S	T:  S
K:  S	N:  S

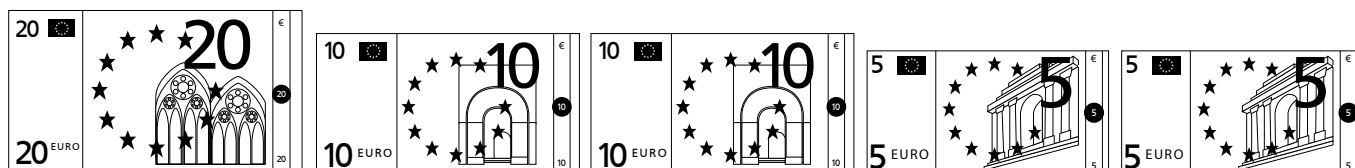
Esmaspäev: S + S + S + S = S

Teisipäev:

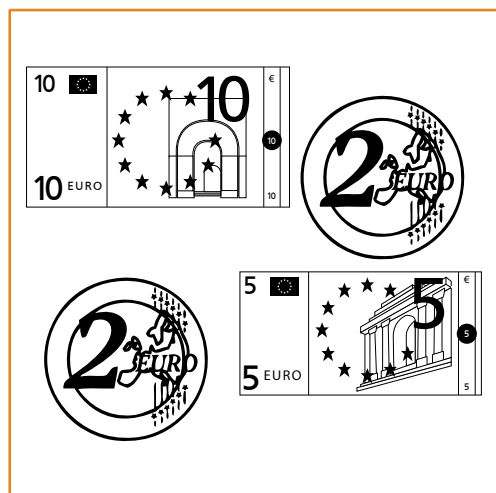
Kolmapäev:

Neljapäev:

300. Paul maksis 20-eurose ostu eest kolme raha-tähega. Märgi ☒ need rahatähed.

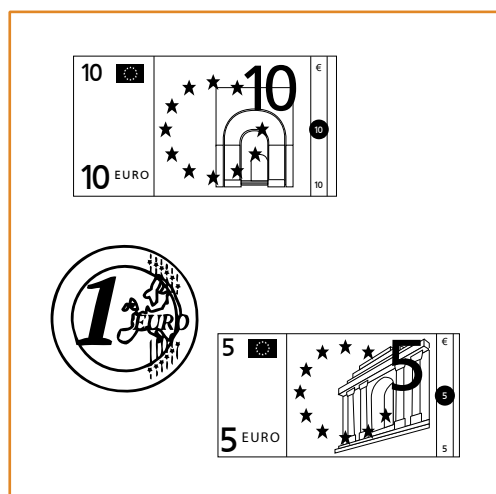
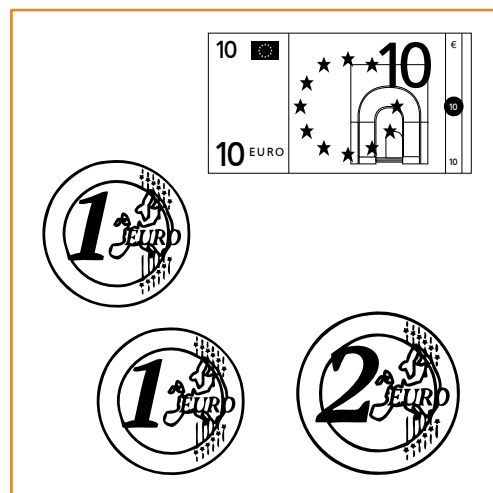


301. Arvuta vihikus. Ühenda raha ja hinna-silt.



16 €

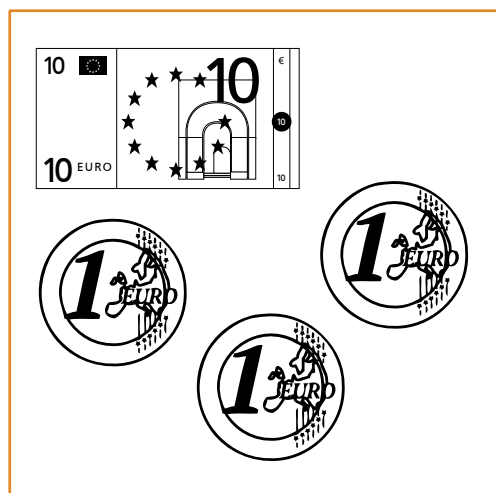
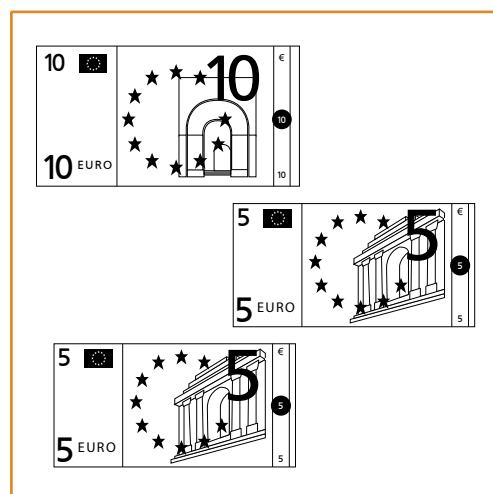
12 €



19 €

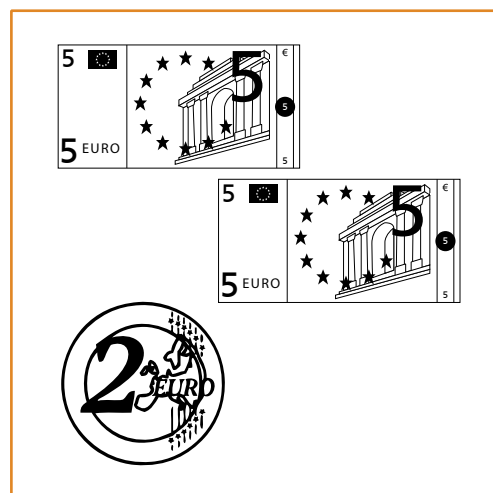
14 €

18 €



20 €

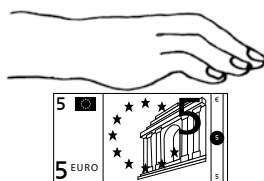
13 €



Üle jäi

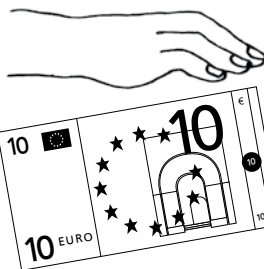
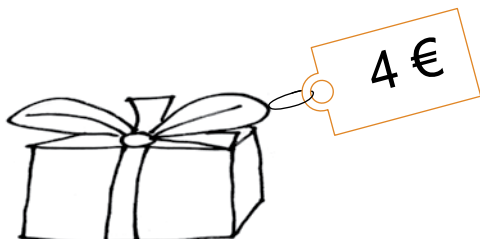
**302. Mitu eurot sul on? Kui palju raha saad tagasi?
Koosta ülesanded. Arvuta vihikus.**

Näide:

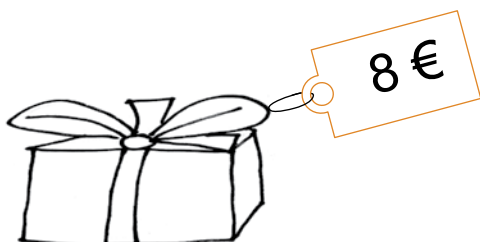


..... €

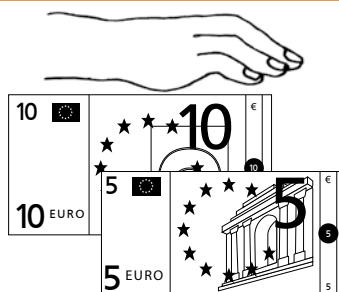
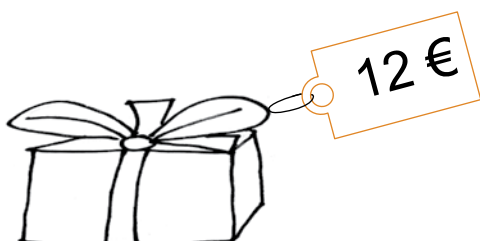
$$5 \text{ €} - 2 \text{ €} = \text{..... €}$$



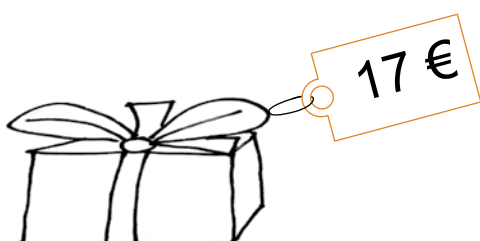
..... €



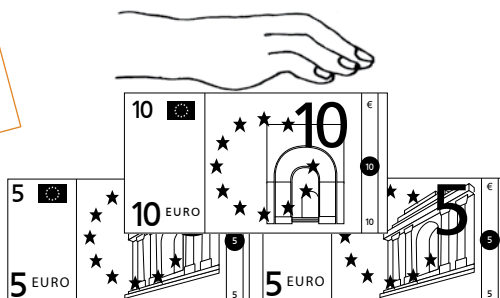
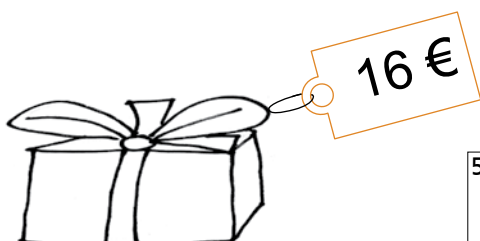
..... €



..... €



..... €

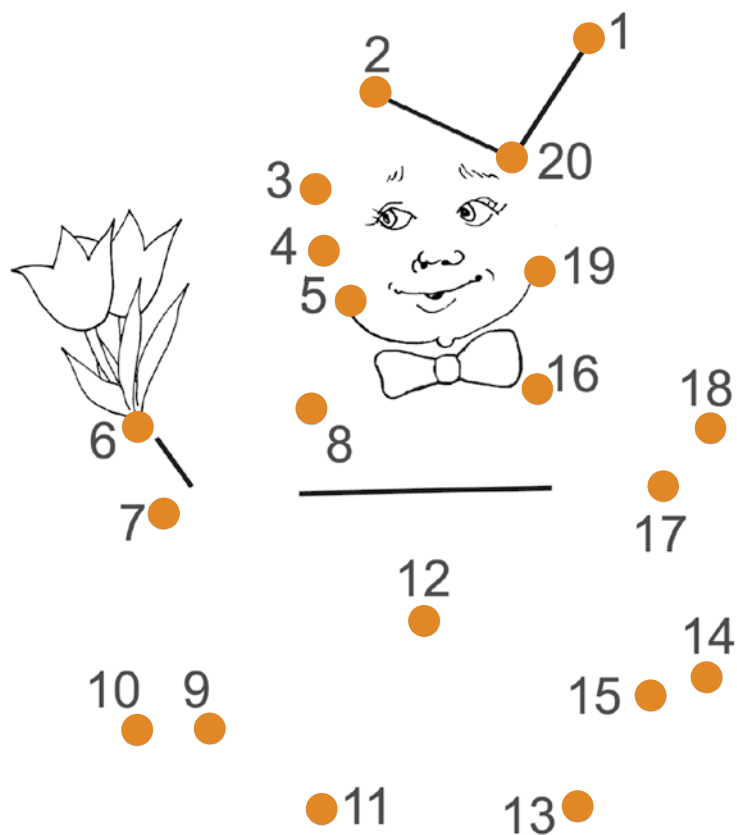


..... €

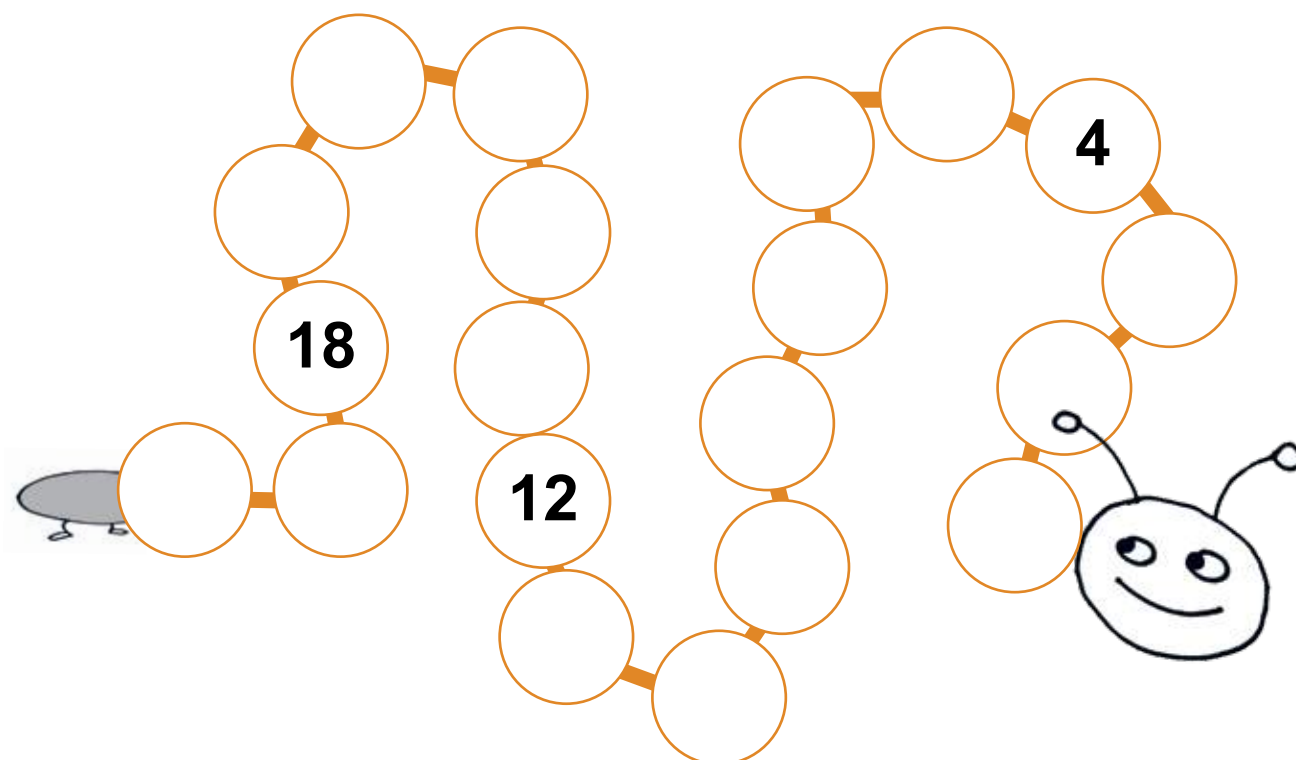


KORDAMINE

303. Ühenda arvud 1–20.

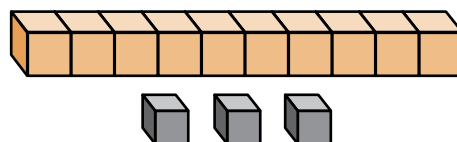


304. Kirjuta puuduvad arvud.



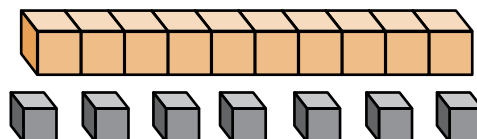
305. Mis arv on pildil? Kirjuta maja juurde lapse nimi.

Andrea maja number on



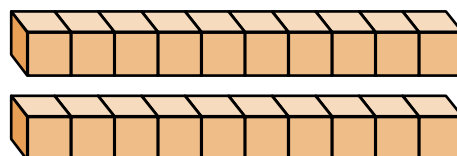
--	--

Hanna maja number on



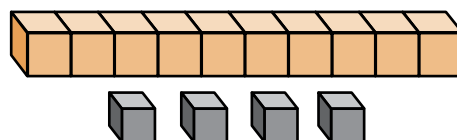
--	--

Janeli maja number on



--	--

Kirke maja number on



--	--



.....

.....

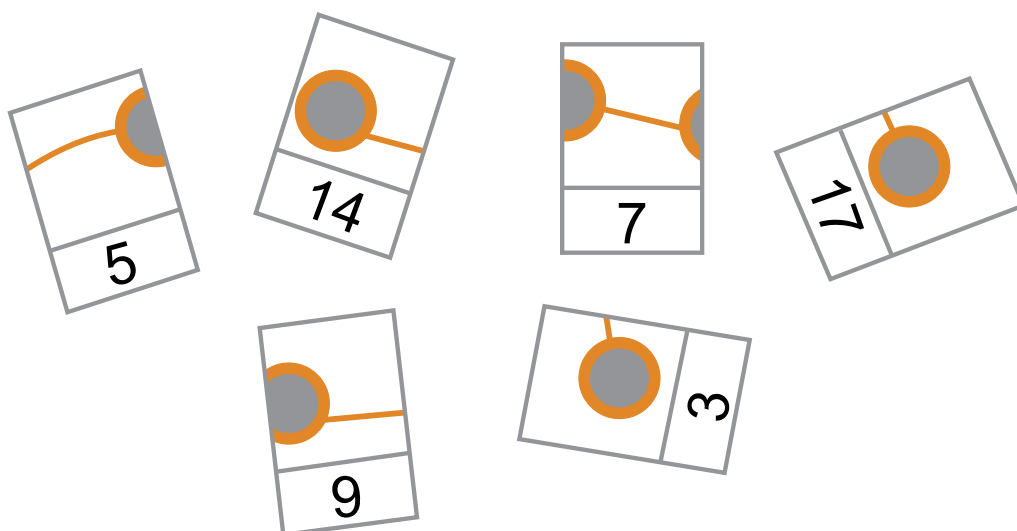


.....

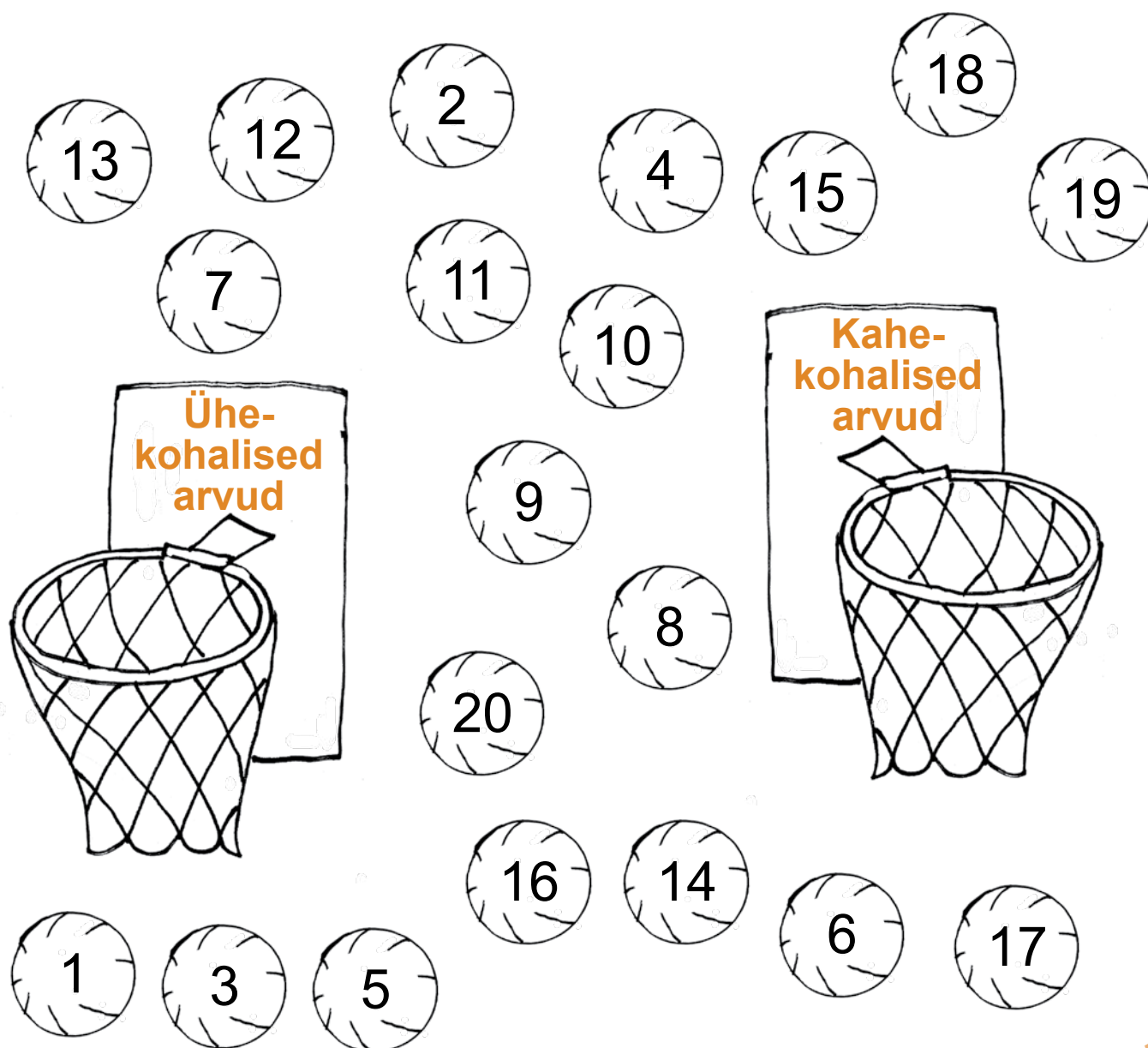
.....

Joonista kõige suurema numbriga maja ette lille-peenar.

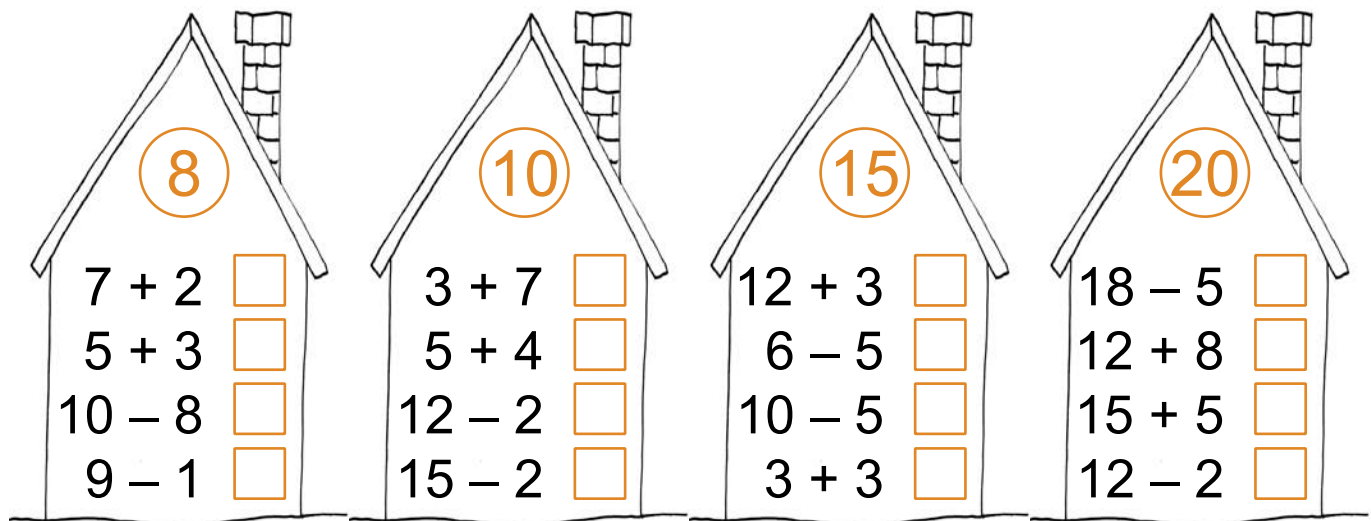
306. Järjesta arvud alates väiksemast.



307. Värvi pallid. 1-kohaline arv on kollane.
2-kohaline arv on punane.



308. Arvuta. Märki õige ülesanne ☒ .



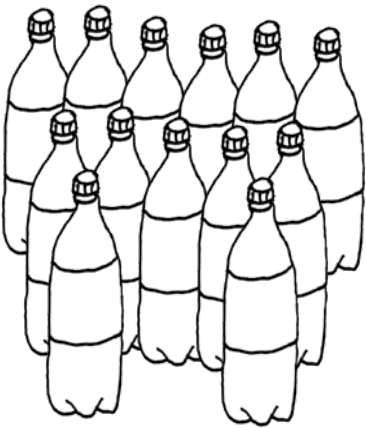
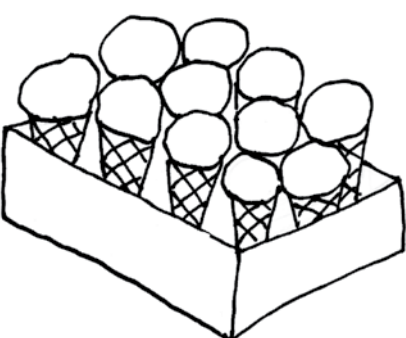
309. Leia puuduv liidetav. Täida tabel.

	Liidetav	Liidetav	Summa
$13 + \dots = 15$			
$6 + \dots = 10$			
$\dots + 3 = 13$			
$16 + \dots = 19$			
$15 + \dots = 18$			

310. Koosta tabeli järgi ülesanne. Arvuta.

Vähendatav	Vähendaja	Vahe	
17	7		=
14	10		=
19	5		=
18	12		=
20	16		=

311. Koosta ülesanded. Arvuta. Täida tabel.

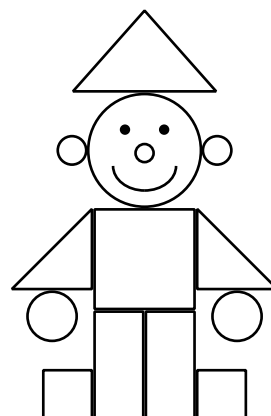
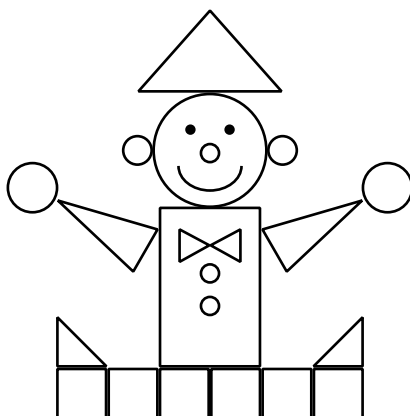
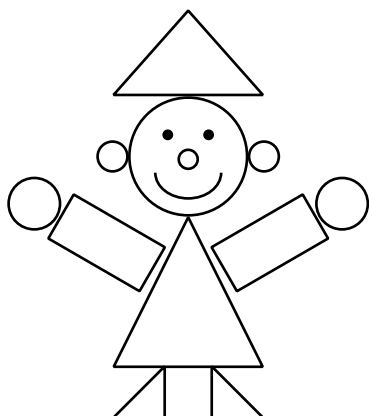
	Laul on pudelit mahla.	
	Ära võeti ...	Lauale jäi ...
	3 pudelit	pudelit
	10 pudelit	pudelit
	12 pudelit	pudelit
	Plaadil on koogi-tükki.	
	Ära söödi ...	Alles jäi ...
	10 tükki	tükki
	11 tükki	tükki
	2 tükki	tükki
	Karbis on jäätist.	
	Ära osteti ...	Karpi jäi ...
	1 jäätis	jäätist
	10 jäätist	jäätist
	11 jäätist	jäätist
	Bussis on reisijat.	
	Väljus ...	Bussi jäi ...
	5 reisijat	reisijat
	13 reisijat	reisijat
	16 reisijat	reisijat

312. Värvi.

△ punane

□ sinine

○ kollane



Loenda.

△

□

○

313. Mõõda ja värvi.

7 cm

12 cm

9 cm

14 cm

10 cm

SISUKORD

I Arv 18

Arv 18	3
Arvurida 1–18	6
Arvu 18 kümnendkoostis	8
Võrdlemine 18 piires	12
Liitmine ja lahutamine 18 piires	15

II Arv 19

Arv 19	23
Arvurida 1–19	26
Arvu 19 kümnendkoostis	28
Võrdlemine 19 piires	32
Liitmine ja lahutamine 19 piires	35

III Arv 20

Arv 20	44
Arvurida 1–20	47
Arvu 20 kümnendkoostis	49
Võrdlemine 20 piires	53

IV Arvutamine 20 piires järguühiku ületamiseta

Liitmine ja lahutamine 20 piires	56
Kahekohalisest arvust kahekohalise arvu lahutamine 20 piires	64
Mitme arvu liitmine	70
Mitme arvu lahutamine	72
Mitme arvu liitmine ja lahutamine	74
Liitmine kahekümneni	80
Ühekohalise arvu lahutamine kahekümnest	90
Kahekohalise arvu lahutamine kahekümnest	94
Liitmine kümneni ja kümnele	98
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VI Nimega arvud

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Rahatähtedest ja müntidest vajaliku summa moodustamine	123
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