

		5
1.	e	7
2.		18
3.		33
4.		41
1.	e	51
2.		75
3.		108
4.		126

286

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9. , 2024 .

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29

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646 293.

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2.

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99

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5

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3

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55

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)

)

3.

321	
154	
48	

263?

4.

38	
217	
404	

555?

5. :

) $330 - 230 : 5 \cdot 4$

) $100 : 4 + 6 \cdot (20 - 8) : 2$.

6. :

$$(1000 - 995) + (990 - 985) + \dots + (20 - 15) + (10 - 5).$$

7.

$$A = (1000 - 996) + (992 - 988) + \dots + (16 - 12) + (8 - 4).$$

8. 30

9. 7, 2, 4. -

17? (.)

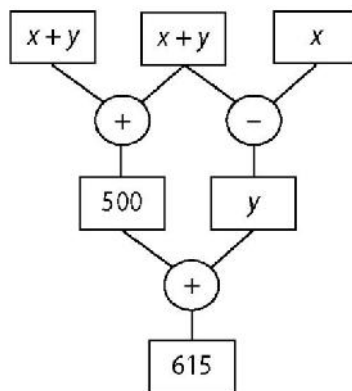
10. 8, 2, 4, 5

? -

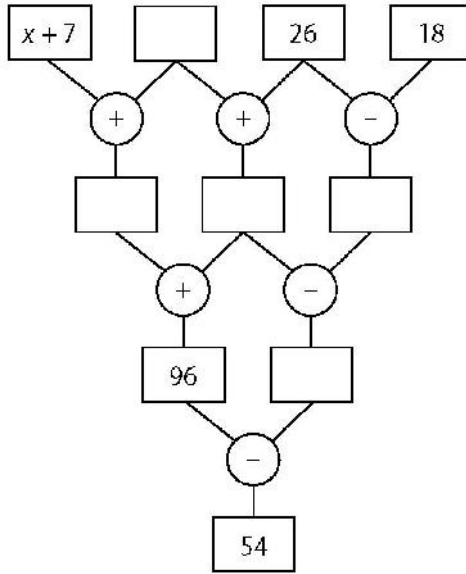
2, 4, 5 8,

?

11. й x.



12. й x.



13. $a - b - c = 1576.$
 $a, b, c = 576?$

14. $7777777 = 700$
 $\quad \quad \quad + \quad -$
 $\quad \quad \quad .$

15. (\quad)
 $\quad \quad \quad)$
 $\heartsuit \clubsuit \clubsuit + \heartsuit \clubsuit \clubsuit + \heartsuit \clubsuit \clubsuit = 555.$

16. (\quad)
 $\quad \quad \quad)$
 $\heartsuit \clubsuit \clubsuit + \heartsuit \clubsuit \clubsuit + \heartsuit \clubsuit \clubsuit = 888.$

17. $\overline{AA} \cdot A = \overline{27A}.$ A

18. (\quad)
 $\quad \quad \quad : 37 \cdot A = \overline{BBB}.$

19.

$$: 5^{**} - 4^{**} = 5.$$

20.

$$5^{**} + 4^{**} = 905 \quad -$$

21.

:

$$\overline{7^{*}} + \overline{**6} + \overline{*59} = 2014.$$

22.

:

$$) \quad ***. * - ** = 1,$$

$$) \quad ** + ** = 198,$$

$$) \quad *1 \cdot * = 9 + *.$$

23.

:

$$) \quad \overline{2^{**}} : \overline{*2} = \overline{2^{*}},$$

$$) \quad \overline{3^{**}} : \overline{*3} = \overline{3^{*}}.$$

24.

A, B, C, D

(

,

)

:

$$A + A = B, B + B = \overline{CD}, A + B + D = \overline{CB}.$$

25.

A, B, C

(

,

)

$$\overline{AB} + \overline{BA} = \overline{CC}, \quad A + B + C = \overline{AB}.$$

26.

1 9 (

-

)

:

$$\overline{AB} \cdot C = \overline{DE}, \quad \overline{DE} + \overline{FG} = \overline{HI}.$$

27.

(

)

$$\overline{AB} \cdot C = \overline{DE}, \quad \overline{FG} \cdot H = \overline{IJ}.$$

28. (,)

$$\overline{MA} \cdot \overline{MA} = \overline{MIR},$$

$$\overline{AM} \cdot \overline{AM} = \overline{RIM}.$$

29. $\overline{KU} + \overline{KU} + \overline{RI} + \overline{KU} ?$

30. $A + \overline{BB} + A = \overline{CCC},$

31.)

$$\overline{AB} \cdot C = \overline{DE}, \quad \overline{FG} \cdot H = \overline{IJ}$$

()

)

$$A + B = \overline{CD}, \quad E + F = G, \quad H + I = J$$

()

32. (,) :

$$\overline{SIN} + \overline{NOS} = 353.$$

33. $N * O * V * I = S * A * D$

34. $\overline{SNEG} + \overline{KRUG} = \overline{SPORT},$ -

35.

$$:\quad \overline{ONE} + \overline{ONE} = \overline{TWO},$$

36.

$$\quad (\quad , \quad)$$

$$\overline{TWO} + \overline{TWO} = \overline{FOUR}.$$

37.

$$\underline{\quad} + \underline{\quad} = \underline{\quad},$$

38.

39.

20,

50.

40.

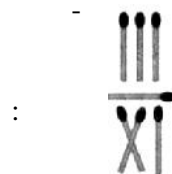
41.

42.



43.

$\frac{3}{11}$.

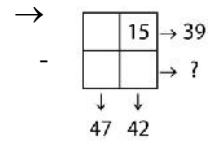


) $\frac{1}{2}$,) $\frac{1}{3}$,) $\frac{1}{6}$.

44.

↓.

?



45.

)

(

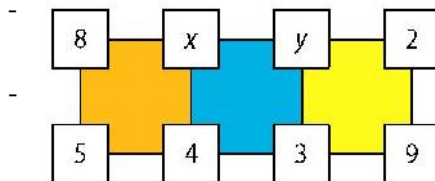
♥	♥	♥	24
♣	★	♣	17
♣	★	♥	?
?	?	21	

46.

♥	★	♥	🌻	20
♣	★	🌻	♥	?
★	★	★	🌻	26
🌻	★	♥	♣	?
♣	★	♣	♥	25
?	40	?	?	

47.

x y



48.

30.

			5											3		
--	--	--	---	--	--	--	--	--	--	--	--	--	--	---	--	--

49.

750.

	75														5	
--	----	--	--	--	--	--	--	--	--	--	--	--	--	--	---	--

50.

15.

	5															1		
--	---	--	--	--	--	--	--	--	--	--	--	--	--	--	--	---	--	--

51.

15.

2							
		4					
						3	
				7			

52.

	1	96			10	32	
	3		8	25	5		
	14	10		9		45	6
20	5	2	3		78	7	
	2					4	

14 · 10,

8 · 3.

210.

546.

)
)
)

?

53.

			77	6			2	3
		9	1	20	5		7	50
	5	80	2		3	2	40	3
	90	1		2	60	5	1	
	2						79	

)
)
)

720.

720.

?

54.

,

	18	35	20	14
16				
49				
25				
9				

:

55. 6

: $6 = 2 \cdot 3$, $6 = 2 \cdot 1 \cdot 3$, $6 = 6 \cdot 1 \cdot 1$, $6 = 2 \cdot 3 \cdot 1 \cdot 1$

:

	800	180	10	400	1000
600	5	6	2		
750					5
20		5	20		20
80	40		40	8	

56.

4

?

57.

9

?

58. n 26 n
 2.

59. 350.

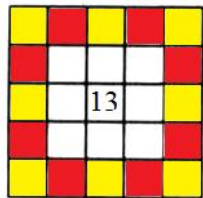
60. 1, 5, 9, 13, 17, 21, ...

61. 2, 6, 18, 54, 162, ... -

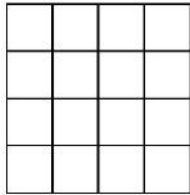
62. 2, 6, 14, 30, 62, ...

63. : 92,
 83, 74, 65, 56, ...

64. 8, 13.



65. 2, 4, 6 8 ()
 20.



66. , ...



67.

, . .

105		127
	142	

,

.

68.

345.

246

69.

1000?

:

1000

70.

1000?

:

810?

700

2.

1.

39.

2.

97.

?

3.

100

397.
800.

?

4.

158.

120.

?

5.

68.

84.

?

6.

2

9,

4

a e

7.

800.

7.

8

3,

e

2

8

6

7. a

955.

?

8.

x

250

x .

x .

9.

x

360

-

-
10. $x.$ $x.$ 765.
 . 10 10.
 ?
11. 45. ,
 , 100.
 ?
12. 253, 328 219.
13. 245, , 220, ,
 , 207, , 228.
14. 5, 192.
15. 300, 35.
16. 485.
 15 5. .
17. 720. -
 . .
18. 180,
 . .
19. 900. 250,
 115, 65,
 . ?
20. 5 405
 8. .
21. 506,
-

-
- 56, 11250
?
22. 500, 1000, 555.
?
23. 150, 2,
6., 5.
24. , 13
25. 111 ?
26. -
1 23,
2 32.
?
27. 1 31,
2 28.
?
28. 45 62
(1), (2).
?
29. , 25,
, 39.
?

30. 55 ? -

31. (1, 3, 5, ...).

23 ?

32. 63 , 145 ,
300 .
?

33. , .
, , .
50 .
?

34. 750 .
,

35. 46 3
5 90
?

36. 5 125 : „ -
: „ , 9 : „ -
“ 7 ? 175 -

37. , 2000 -
. ,
, ? .

38. 2 4 , 4
2 .

-
- 240 60 , -
 , ?
39. , 550 -
 330 ,
 420 .
 ?
40. 1 3 110 , 7 1 370
 , , ?
41. ,
 350 . ?
42. 4 2 330 ,
 3 3 300 .
 , ?
43. 450 .
 , ,
 ?
44. 2 3 510 , 3 2
 465 , ,
 ?
45. , 750 .
 135 , 240 , 75
 , .
 ?
46. 875 .
 230 , 245 ,
 , ?

47.

1200

?

48.

600

?

49.

8

1

215

1

5

100

?

50.

650

130

?

51.

750

300

?

52.

3

?

53.

825

$\frac{1}{3}$

$\frac{1}{5}$

,

?

54.

$\frac{1}{4}$

238

$\frac{1}{7}$

?

55.

: „

, 5700 .“
 „ 6000 .“
 ?
 !
 56. , , , 600 -
 . 299 , 248 , 304 , ?
 149 . ?
 ?
 57. , 2
 17:30 8 40 .
 ?
 58. 18:00 16:00. -
 - . 2 40
 , ?
 59. 10 .
 2 , 6 .
 ?
 60. 3 20 .
 2 20 . 2
 ?
 61. , 4 , . 10
 . , ?
 ?
 62. 50 . 45 , 4 -
 . -
 ?

63.



?

64.

20:16.

9

56 .

65.

15 17 .

?

66.

21 cm -

?

67.

96 cm -

?

68.

1 cm ,

1 dm ,

1 m .

)

3

?

)

40

?

:

) 95

1

?

) 10

1

?

69.

8

424 km .

4 -

5 .

?

70.

240 km .

$\frac{1}{5}$

13 km .

?

71.

85 km .

72.

360 km .

$\frac{1}{10}$

15 km

$\frac{1}{5}$

20 km .

?

73.

5

A

B

54

9

B

A

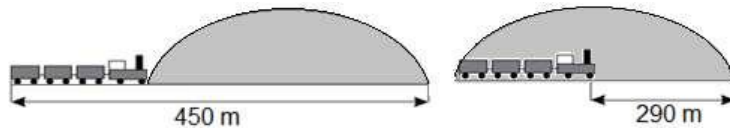
A

B

600

?

74.



75.

150 ml

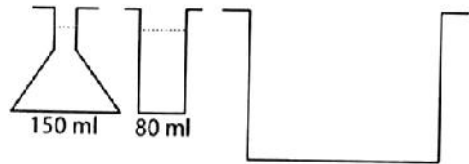
80 ml

:

) 600 ml ,

) 10 ml ,

) 520 ml .



76.

170 ml

60 ml

A

:

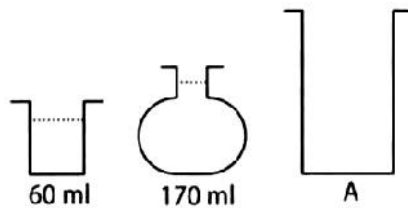
) 510 ml ,

) 10 ml ,

) 610 ml ,

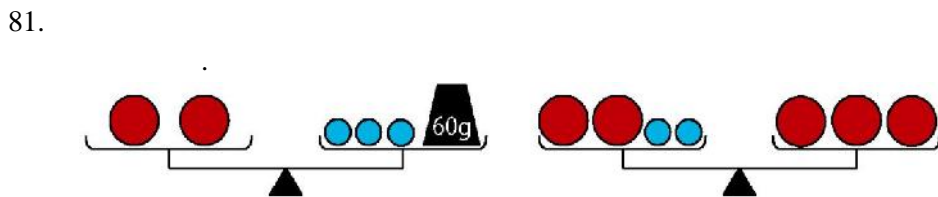
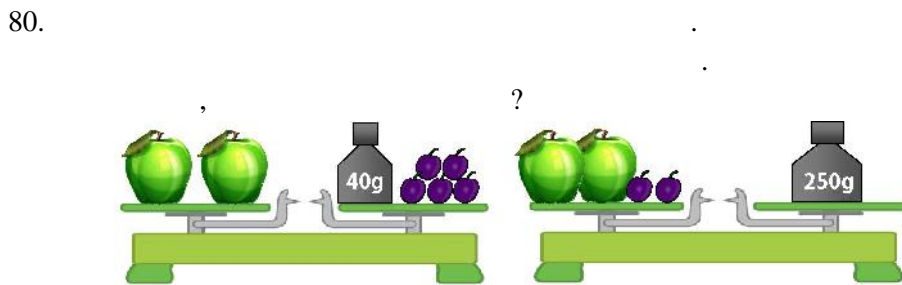
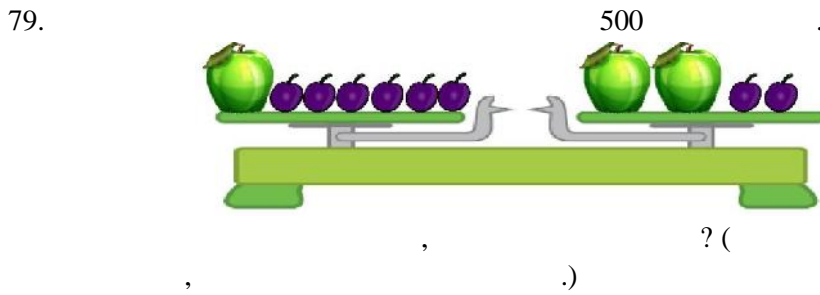
) 270 ml ,

) 710 ml ,



77. $225 l,$ $82 l,$
 $350 l$.
 ?

78. 100 . 50 . 20



82. $\frac{1}{10}$, $\frac{1}{3}$, $\frac{1}{5}$, 9000 , -
 ?

83. $3 kg$ $4 kg$ 560 , $6 kg$
 $2 kg$ 820 .

84. $7 \frac{5}{2} ? 900 \text{ kg}$. -

85. $?$. -

86. $?$ 10 . -

87. $5 ?$. -

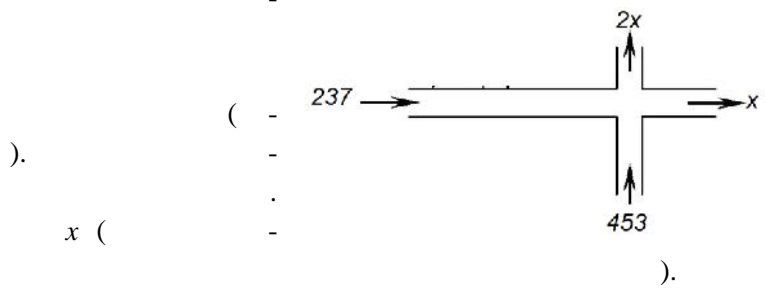
88. $8 ? 6$. -

89. $452 240 ?$. -

90. $(\begin{array}{c} 359 \\ \uparrow \\ \text{---} \\ \uparrow \\ 238 \rightarrow \text{---} \\ \downarrow \\ \text{---} \\ \downarrow \\ 543 \end{array} x)$. -

91. x ().

91.



92.

980

$\frac{1}{4}$

$\frac{1}{5}$

?

93.

382

?

94.

564

49

?

?

95.

240

96.

80

-
- ?
97. 180 . ,
 ? . ,
98. 96 . ,
 . ?
99. 570 . $\frac{1}{3}$
 12 . ?
100. 3 . -
 . , 78
 ?
101. 24 . ,
 ?
102. 450 . $\frac{1}{9}$
 , $\frac{1}{10}$, -
 $\frac{1}{5}$. ?
103. . , 250
 . ?
104. 180 .

7, 12
 .
 ?
 105. 750 , .
 , , . -
 ?
 106. 78 .
 7 .
 ,
 ?
 107. 358 , .
 , .
 ?
 108. 376 .
 257 , -
 489 . ,
 , ?
 109. 9 , .
 28 . -
 ?
 110. 22 , 74 .
 ?
 111. 32 , 88 .
 ?
 112. .

.

$$\begin{array}{ccc} 40 & & 130 \cdot \\ ? & & \end{array}$$

113.

$$\begin{array}{ccc} 80 & , & \cdot \\ & & ? \cdot \end{array}$$

3.


1. $AB = 2\text{ cm}$
 $CD = 3$,
 $AB = 10\text{ cm}$,
 $AB = CD?$

2. M is the midpoint of AB .
 M is the midpoint of AB .
 $AB = 4\text{ cm}$.

3. N is the midpoint of AB .
 N is the midpoint of AB .
 $AB = 15\text{ cm}$.

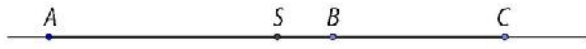
4. M is the midpoint of AB .
 N is the midpoint of BC .
 $BC = 20\text{ cm}$.
 $AB = 32\text{ cm}$.
 MN .

5. S is the midpoint of AB .
 S is the midpoint of AB .
 $AB = 12\text{ cm}$.
 $BC = 15\text{ cm}$.
 $CD = 34\text{ cm}$.
 $AD = a$.



6. M is the midpoint of AB .
 N is the midpoint of CD .
 $AB = 18\text{ cm}$, $AC = 26\text{ cm}$, $BD = 20\text{ cm}$.
 MN .

7. p $AB, BC, CD.$ S
 $AB,$ M $CD.$
 $\overline{AB} = 16\text{ cm}, \overline{SC} = 20\text{ cm}$ $\overline{BD} = 18\text{ cm},$
 $BC, CD, MS.$

8. a AB BC (\quad). $-$
 AB 22 cm $BC.$ $\overline{AC} = 90\text{ cm},$
 S $-$
 $AC,$ 
 $-$
 $SB.$

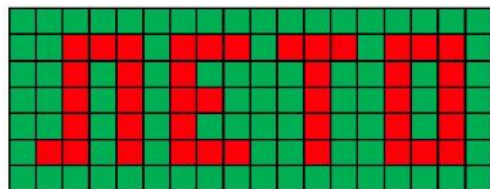
9. p $A, B, C, D.$ M
 $AB,$ N $CD.$ $\overline{BC} = 15\text{ cm},$
 $\overline{MN} = 32\text{ cm},$ $AD.$

10. A, B C B A $C.$
 S_1 S_2 AB $BC.$
 $\overline{AB} = 8\text{ cm}$ $\overline{AC} = 17\text{ cm } 6\text{ mm}$
 S_1S_2 $AS_2.$

11. A, B, C D B A $C,$ C
 B $D.$ S_1 S_2 AB
 $CD.$ $\overline{AB} = 16\text{ cm}, \overline{AC} = 5\text{ dm } 6\text{ mm}$ $\overline{CD} = 12\text{ cm } 8\text{ mm}$
 $S_1S_2.$

12. 34 cm.
 $3\text{ cm},$ $3\text{ cm},$ $2\text{ cm},$

13.



41

88 cm .

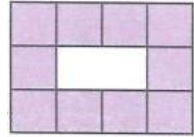
14.

2 cm .

?

15.

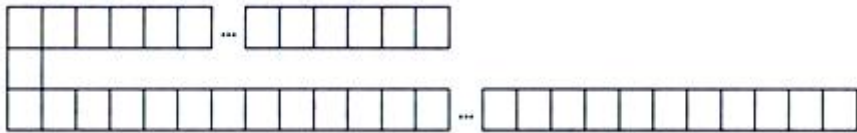
1 dm .



16.

100

1 m 2 dm .



17.

36 cm .

4 cm

18.

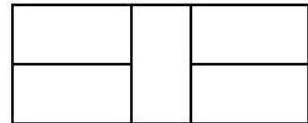
1 km

25

4 m .

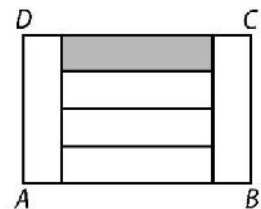
19.

12 cm .



20.

ABCD ,



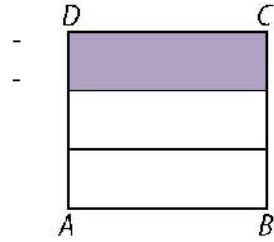
20 cm ,

ABCD .

21.

ABCD ().

56 cm .
ABCD .



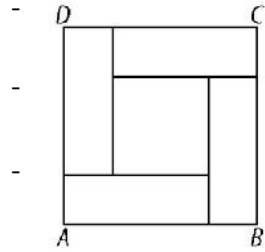
22.

ABCD

4

80 cm ().

ABCD .



23.

3 cm 7 cm

?

24.

6 cm

2

2 cm ,

?

25.

5m

4

cm

?

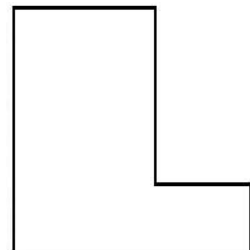
26.

96 cm.

27.

174 cm

67 cm 125 cm



28.

10 cm 15 cm .

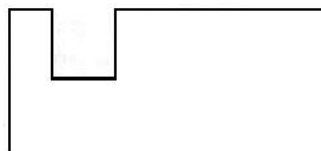
-
-

8 cm .

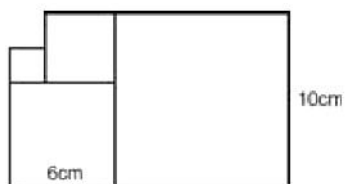
29.

309 cm 112 cm

57 cm



30.



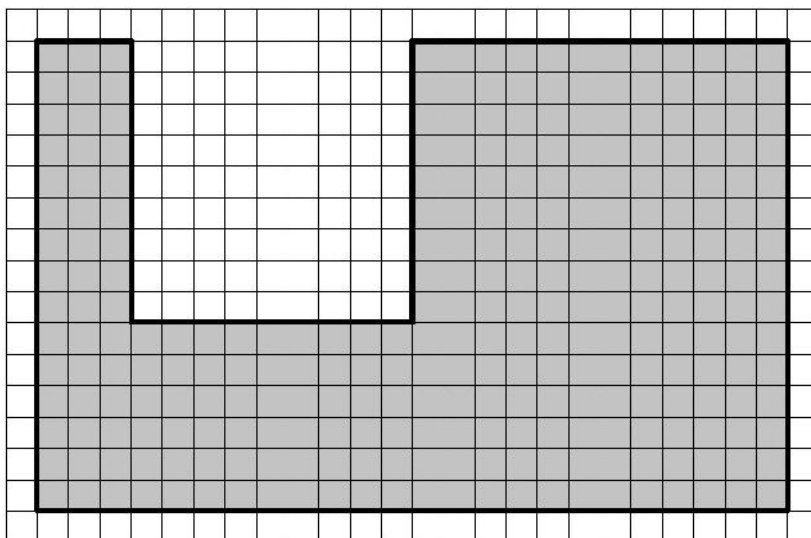
31.

5 cm .

1 m .

32.

1 cm

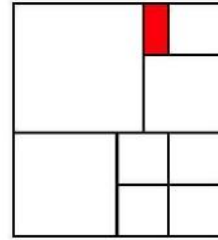


33.

8

1 cm.

2 cm

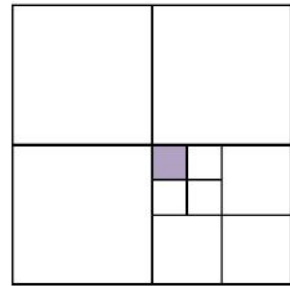


34.

10

()

64 cm.



35.

m

A, B, C

p

m

D, E

)

A, B, C, D, E

)

A, B, C, D, E

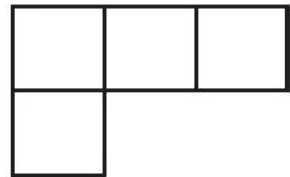
36.

)

)

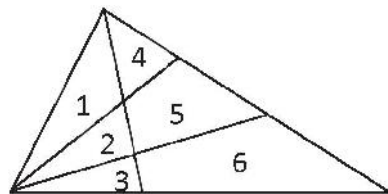
)

?



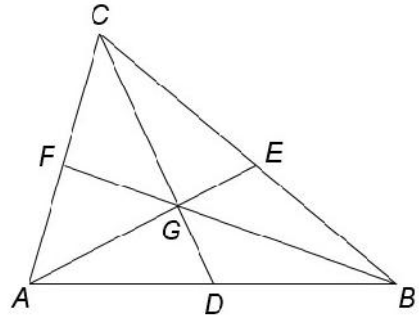
37.

?



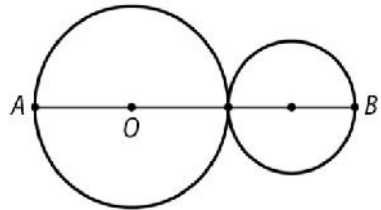
38.

! ?



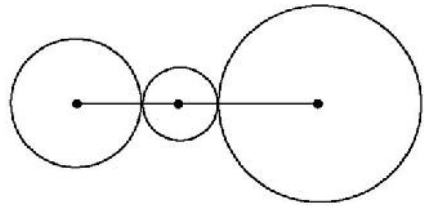
39.

$\overline{AB} = 18 \text{ cm}$,
 $\overline{OB} = 13 \text{ cm}$.



40.

24 cm,
 14 cm.



41.)
 5 cm.

) a b ,
) c a , b
) b c ?

42.

O 6 cm.
 Oa. C
 Oa
 OC?
 B.

b B $O.$
 b ? .

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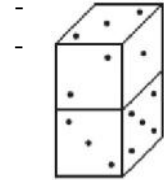
43. ,
 . ()
), 3 4 .
 4
 :
) ,
) ,
) 6 ?

44. 7 .
 ,

4.

1.

7.

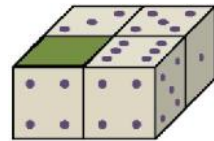


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2.

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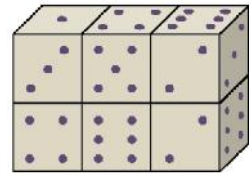
9?



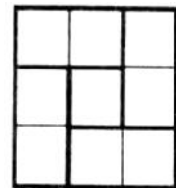
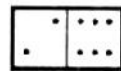
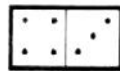
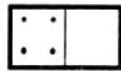
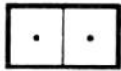
3.

7.

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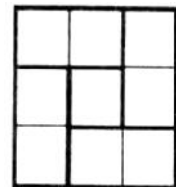
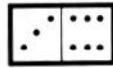
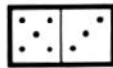
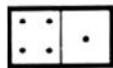
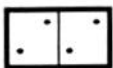
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5.



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10.

6.

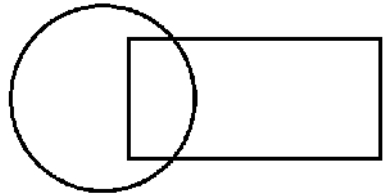


7.

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8.

252, 452, 750, 506, 138, 345,
738 425
450,
550.



9.

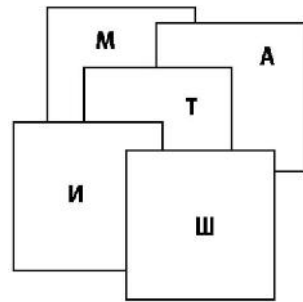
62145, 3562. 12345, ?

10.

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11.

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42

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13. ,
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17. , , , -
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18. , , 4. ; 21. ;
28. 28. .
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19. , , , ,
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20.

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- 2)
- 3)

21.

- 1)
- 2)
- 3)

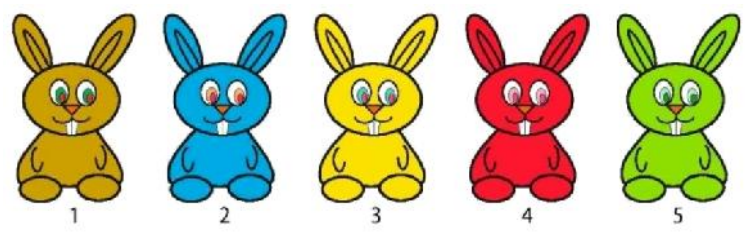
22.

5, 1, 4, 3, 2.
1, 2, 3, 4, 5?

23.

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1, 2, 3, 4, 5 ()
: - - - ?



24. 7 . 5 , 8
 . ? 7

25. 9 , 50
 200 . ? -
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26. 9 , 200 .
 2 ?

27. 24 9 15 .

28. 7 5 2
 . , -
 . ?

29. 20 11
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) ,
) .

30. 11 , 12 20
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 , .
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) ,
) ,
) .

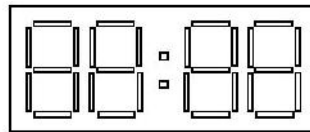
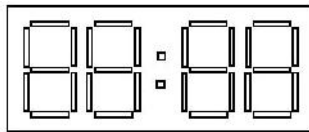
31. 5 1, 2,
 3, 4, 5, . 2
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32. 5 , 3 ,
100 .
500 ?

33. 4 . 5
15 . ,
100 ?

34. ().
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41 ?



35. 4. -

36. 5.

37. 27.

38. 16.

39. 10 ,

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41.

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5?

42.

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48.

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49.

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50.

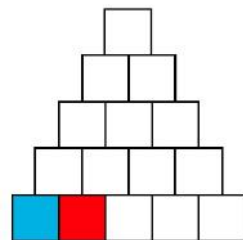
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100.

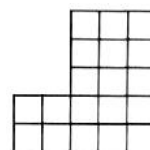
51.

4?

52.



53.



54.

3



1 cm,

8 cm.

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4

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)

1 cm.

55.

?

1 cm.

56.



)

)

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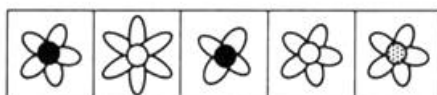
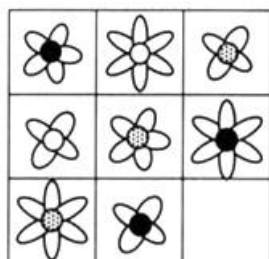
57.

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58.



59.

