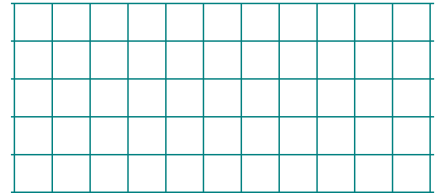


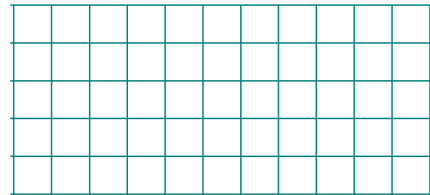
Homework for Lesson № 17

1 Write the expressions and solve the word problems.

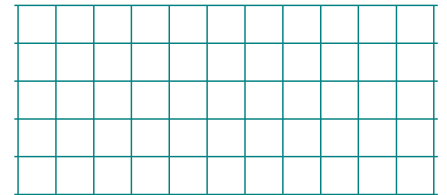
A. Robert went to his friend who lived 60 km away from Robert's home. He biked there 10 km/h. How long did it take Robert to reach his friend?



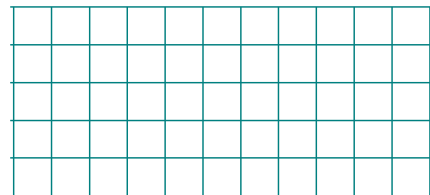
B. Robert went to his friend who lived 60 km away from Robert's home. How fast does he need to bike to make it in 4 hours?



D. Peggy packs w fruit baskets in an hour. Each basket contains 5 apples and 2 pears. How many apples does Peggy pack each hour?



E. Peggy packs w fruit baskets in an hour. Each basket contains 5 apples and 2 pears. How many apples does Peggy pack in y hours?



2 Calculate **in your notebook** and copy your answers here:

$37 \times 89 =$

$56 \times 78 =$

$69 \times 50 =$

$70 \times 54 =$

$9765 \div 5 =$

$2091 \div 3 =$

$4172 \div 7 =$

$18 \div 3 + (25 - 20 \div 2) = \underline{\quad}$

$100 - (16 \div 2 + 14) + 7 = \underline{\quad}$

3 In your notebook solve the equations and copy your answers here:

$$2x + 8 = 30$$

$$15x - 15 = 75$$

$$(15x - 15) + 5 = 80$$

$$x = \underline{\hspace{2cm}}$$

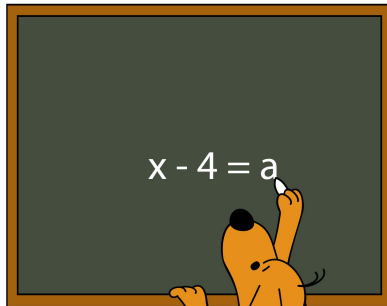
$$x = \underline{\hspace{2cm}}$$

$$x = \underline{\hspace{2cm}}$$

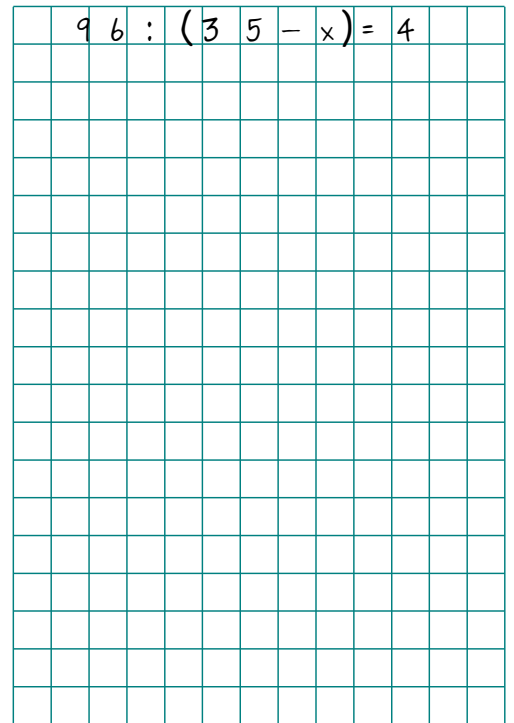
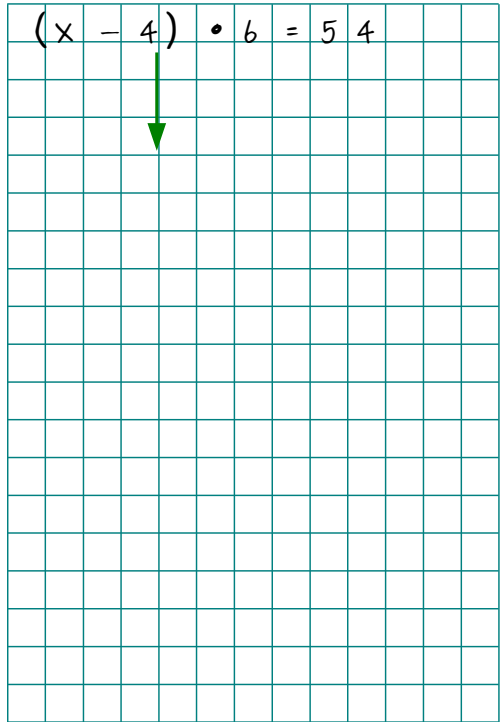
4 Use proper replacements to simplify and solve equations:

$$96 : (35 - x) = 4$$

$$(x - 4) \cdot 6 = 54$$



$$x - 4 = a$$



5 Calculate:

$$\frac{1}{7} \times 7 =$$

$$\frac{1}{5} \times 5 =$$

$$\frac{1}{9} \times 9 =$$

$$\frac{1}{4} \times 4 =$$

$$\frac{1}{8} \times 8 =$$

$$\frac{1}{6} \times 6 =$$

$$\frac{1}{3} \times 3 =$$

$$\frac{1}{2} \times 2 =$$

$$1 : 7 =$$

$$1 : 3 =$$

$$1 : 5 =$$

$$1 : 4 =$$

$$1 : 9 =$$

$$1 : 6 =$$

$$1 : 8 =$$

$$1 : 2 =$$

6 Compare:

$$\frac{1}{5} \square \frac{1}{4}$$

$$\frac{1}{3} \square \frac{1}{8}$$

$$\frac{1}{7} \square \frac{1}{12}$$

$$\frac{1}{11} \square \frac{1}{10}$$

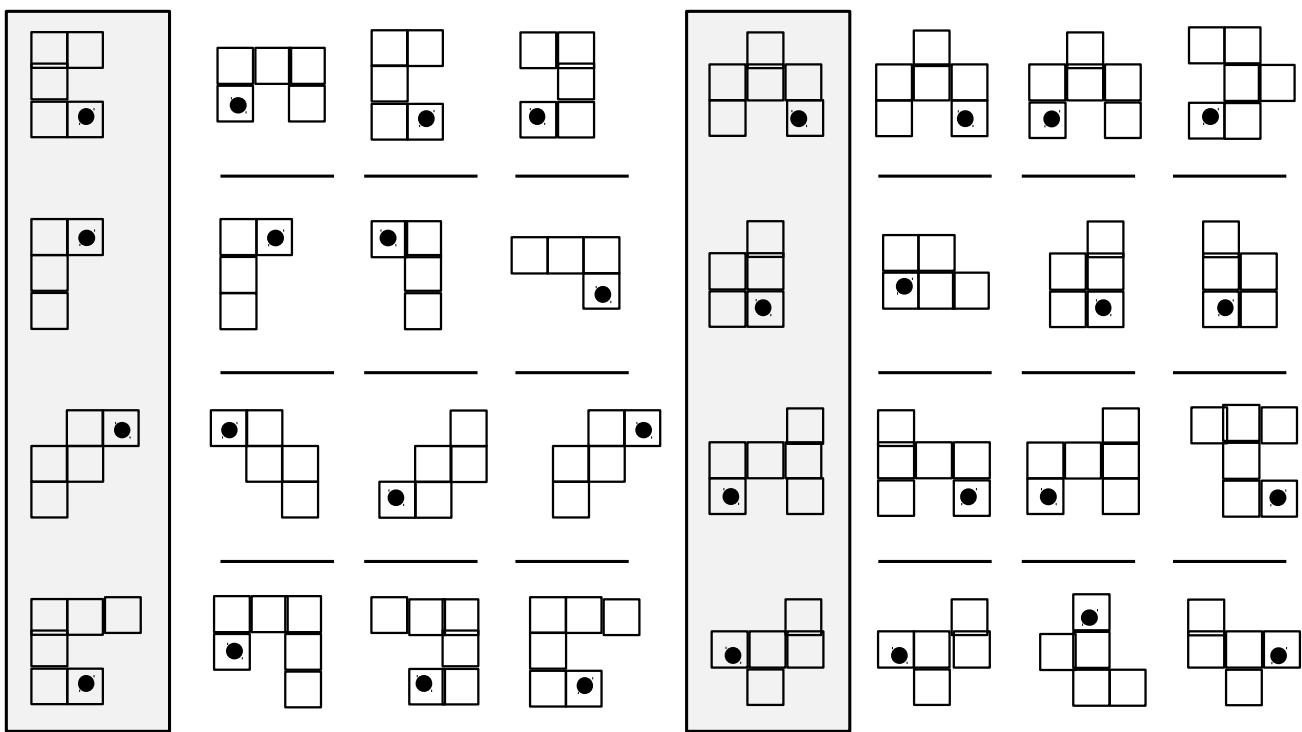
$$\frac{1}{4} \square \frac{1}{3}$$

$$\frac{1}{7} \square \frac{1}{8}$$

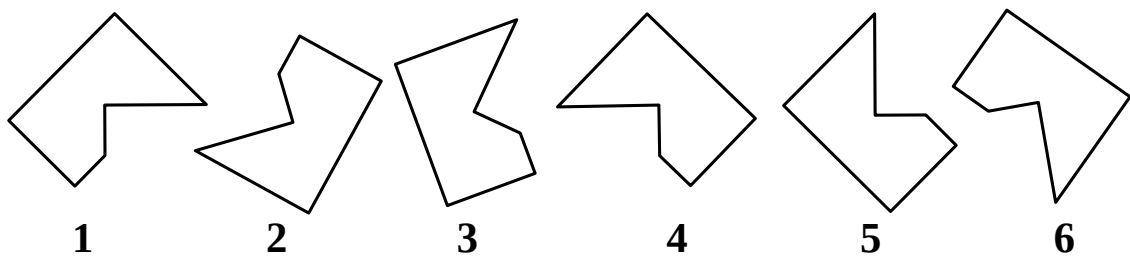
$$\frac{1}{n+5} \square \frac{1}{4}$$

$$\frac{1}{n+3} \square \frac{1}{n}$$

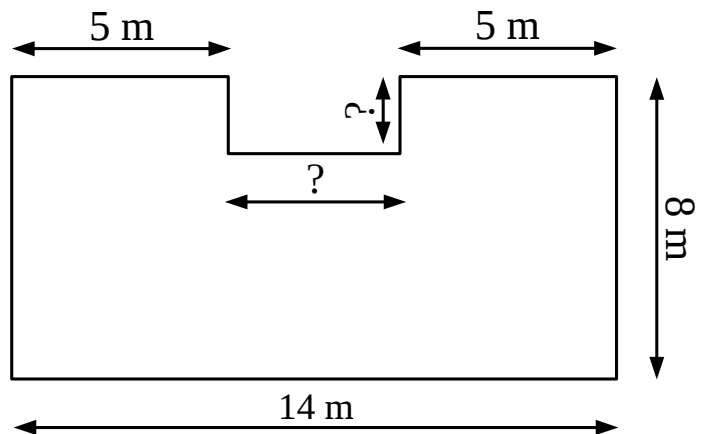
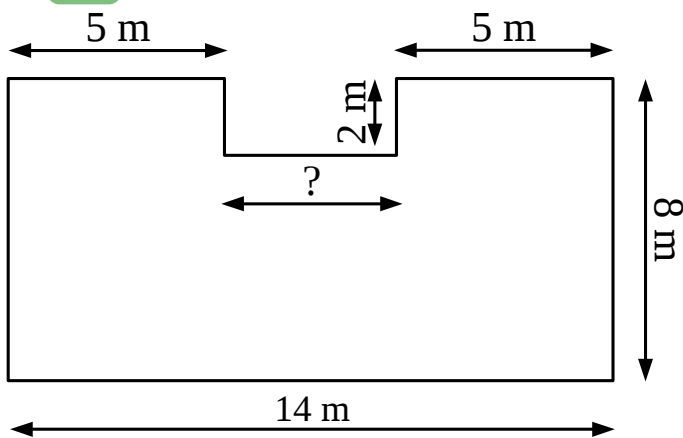
7 Indicate transformations producing each of the shapes by writing translation.



8 Choose the shape that cannot be obtained from the rest motion.

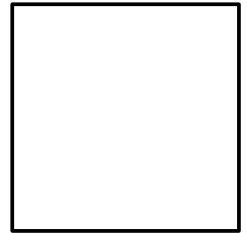


9 Find the missing sides and the perimeters of the shapes below:

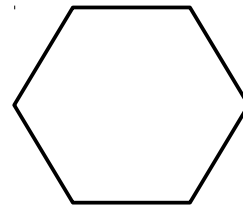


10 Solve the word problems on perimeters:

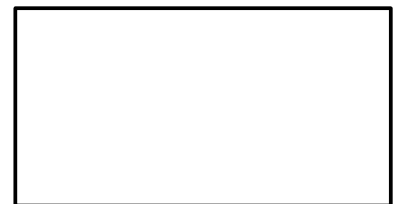
A. The perimeter of a square is 36 cm. What is the length of the side?



B. Each side of a hexagon is 2 inches. What is the hexagon's perimeter?



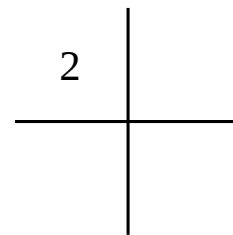
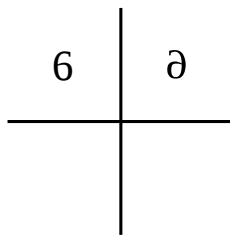
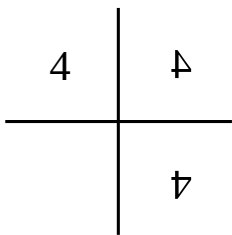
C. A rectangle is 8 cm wide. Its perimeter is 38 cm. How long is the rectangle?



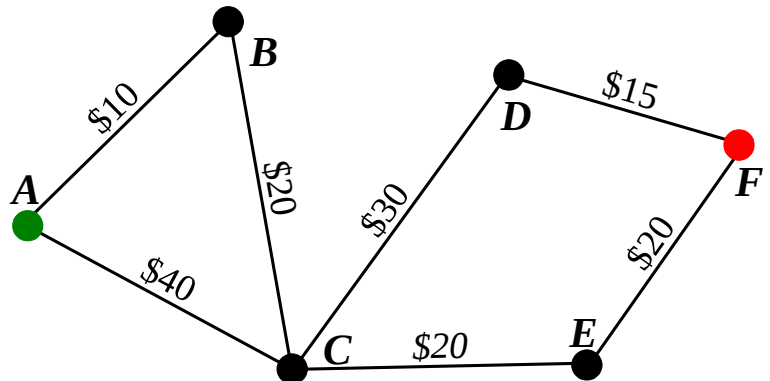
D. Joe has a rectangular herb garden that is 8 ft long and 10 ft wide. What length of fencing does he need to fence in his entire garden?



- 11 Fill in all empty squares.



- 12 Foxy tail wants to find the cheapest way to his friend. Unfortunately the road CE is under construction and the bus service is disrupted. How much will it cost FT to get to his friend?

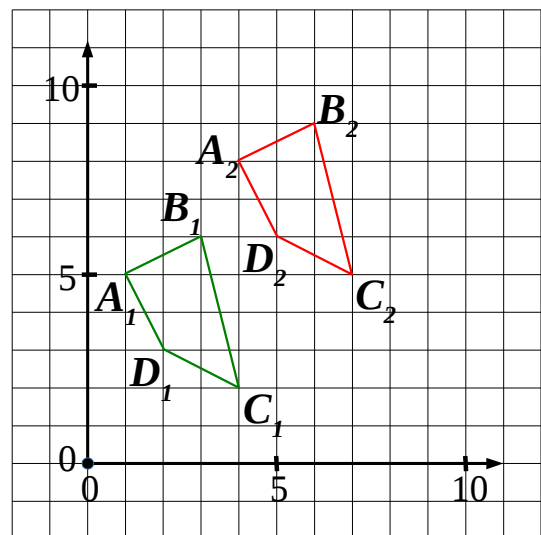




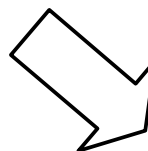
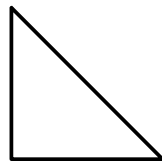
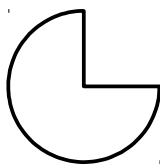
- 13 Motion of a green quadrilateral $A_1B_1C_1D_1$ produces a red quadrilateral $A_2B_2C_2D_2$.

The same motion of the quadrilateral $A_2B_2C_2D_2$ produces quadrilateral $A_3B_3C_3D_3$.

Plot quadrilateral $A_3B_3C_3D_3$.



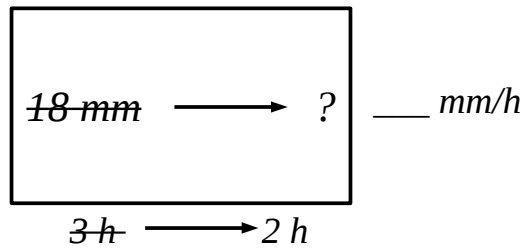
- 14 Plot symmetry lines of the shapes:



Homework for Lesson № 19

1 Solve the word problems.

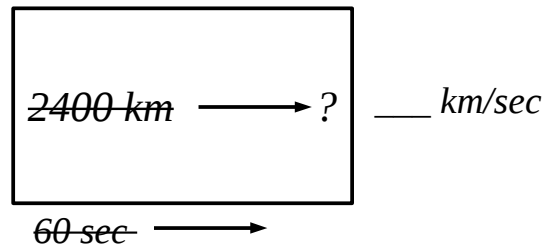
A long rain causes 18 mm precipitation every 3 hours. How much precipitation occurs in 2 hours?



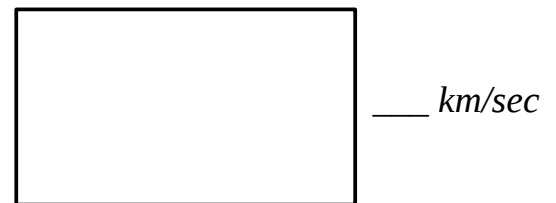
In one minute Earth moves about the Sun 2400 km. How far does it move in 7 minutes?



In one minute Earth moves about the Sun 2400 km. How far does it move in 7 seconds?



In one minute Earth moves about the Sun 2400 km. How long does it take to move 360 km?



2 Calculate **in your notebook** and copy your answers here:

$2568 \div 3 = \underline{\hspace{2cm}}$

$5715 \div 9 = \underline{\hspace{2cm}}$

$31 \times 52 = \underline{\hspace{2cm}}$

$(48 \div 12 + 16) - 45 \div 3 = \underline{\hspace{2cm}}$

$52 + 23 \times 4 \div 2 + 2 = \underline{\hspace{2cm}}$

$54 - 4x = 18$

$(3x - 3) + 8 = 38$

$* 2x + 2 = 3$

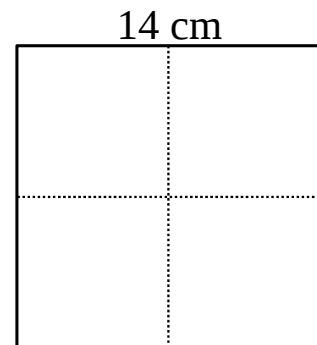
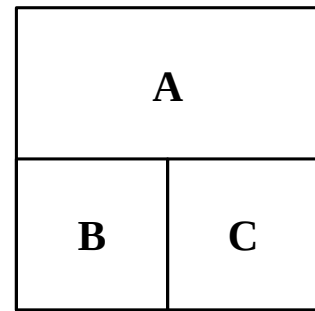
$x = \underline{\hspace{2cm}}$

$x = \underline{\hspace{2cm}}$

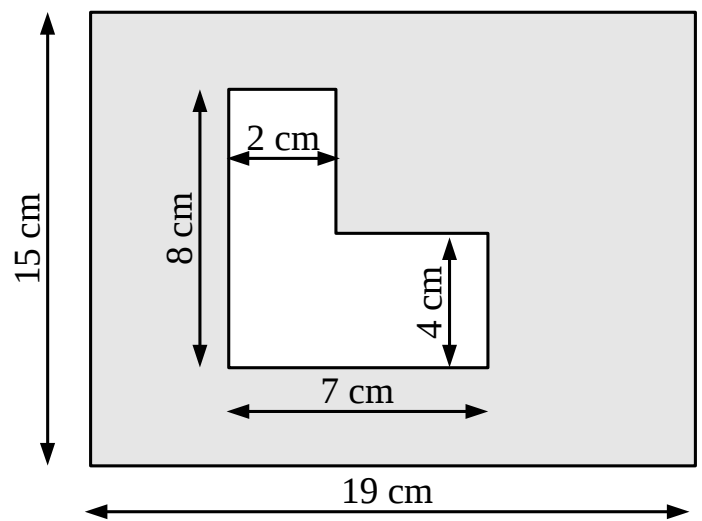
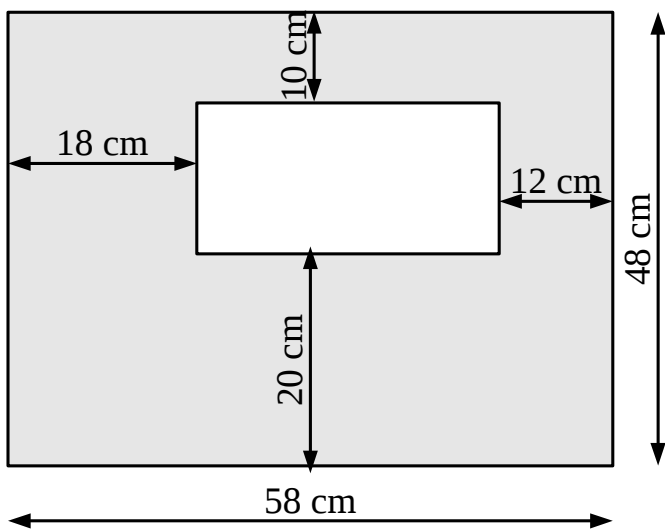
$x = \underline{\hspace{2cm}}$

- 3** There are three squares on the drawing.
The perimeter of each small square is 16 cm. What is the area of the large square?

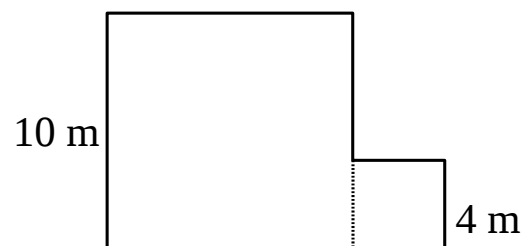
- 4** An origami paper is folded to form 4 smaller squares. What is the area of each smaller squares?



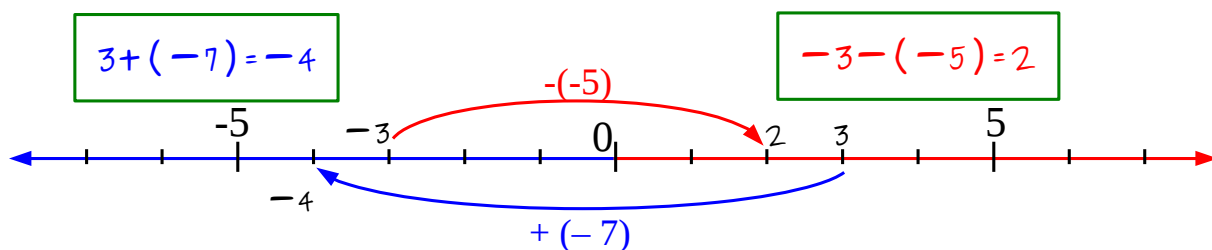
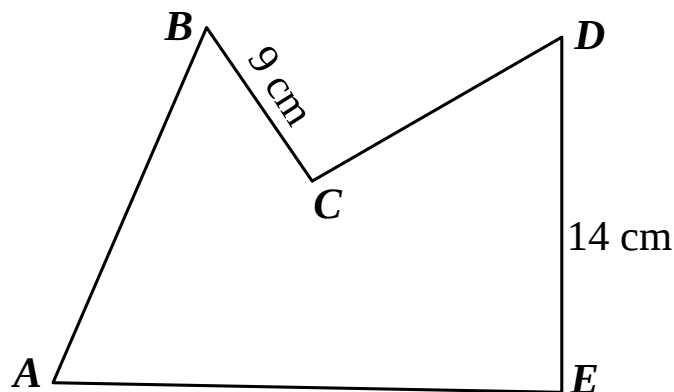
- 5** Find the gray areas:



- 6** The floor of a studio has a shape of two squares placed together without an overlap. What is the area of the studio?



7 Polygonal chain $ABCDE$ has a perimeter of 59 cm. The segments AB and DE are the same. The segment CD is 3 cm longer than segment BC . How long is the segment AE ?



Adding a negative number makes the result smaller (shift to the left).
Subtracting a negative number makes the result less negative, *i.e.* bigger.

8 Calculate:

$4 + 1 =$

$4 + (-1) =$

$4 - 1 =$

$4 - (-1) =$

$2 + 3 =$

$2 + (-3) =$

$2 - 3 =$

$2 - (-3) =$

$(-3) + 1 =$

$(-3) + (-1) =$

$(-3) - 1 =$

$(-3) - (-1) =$

9 Fill in the numbers missing from the patterns:

7, 9, __, __, 15, 17, ...

__, __, 11, 19, 27, 35, ...

__, __, 10, 13, 16, 19, ...

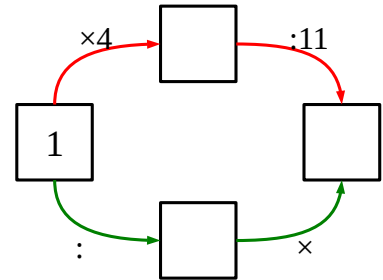
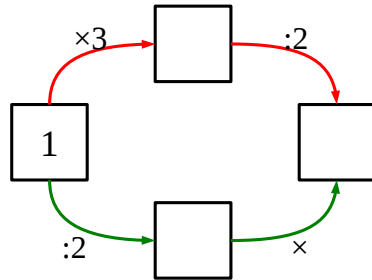
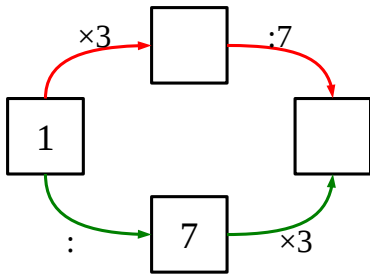
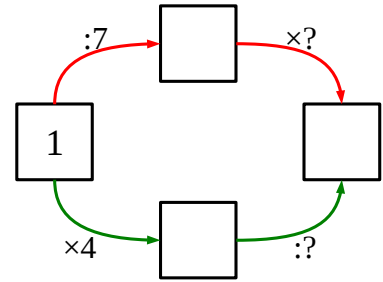
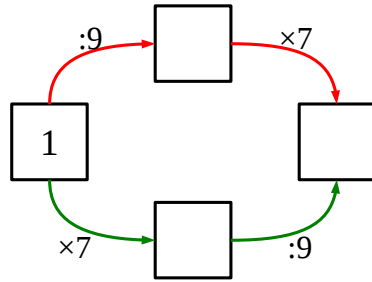
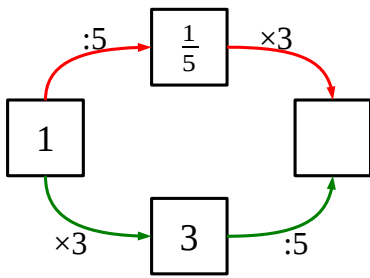
-2, 1, 4, 7, __, __, ...

__, __, 21, 30, 39, 48, ...

-7, -4, -1, 2, __, __, ...

10

Complete the drawings :

**11**

Calculate:

$1 : 2 =$

$1 : 9 =$

$1 : 8 =$

$1 : q =$

$1 : \frac{1}{2} =$

$1 : \frac{1}{9} =$

$1 : \frac{1}{8} =$

$1 : \frac{1}{q} =$

$\frac{1}{2} \times 2 =$

$\frac{1}{9} \times 9 =$

$\frac{1}{8} \times 8 =$

$\frac{1}{q} \times q =$

$2 \times \frac{1}{2} =$

$9 \times \frac{1}{9} =$

$8 \times \frac{1}{8} =$

$q \times \frac{1}{q} =$

12

Solve the following word problems:

A. One fifth of 60 boxes got damaged. How many boxes remained intact?

1). _____ (number of damaged boxes)

2). _____ (number of intact boxes)