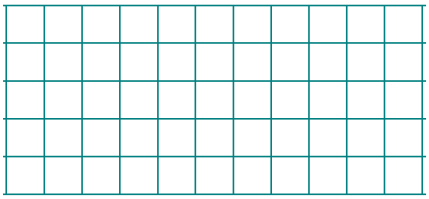
Homework for Lesson № 17

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?



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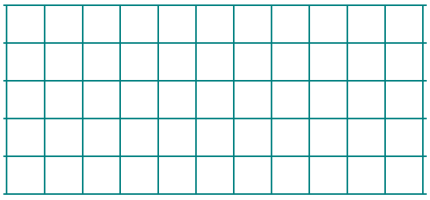
B. Robert went to his friend who lived 60 km away from Robert's home. How fast does he need to bike to make it in 4 hours?



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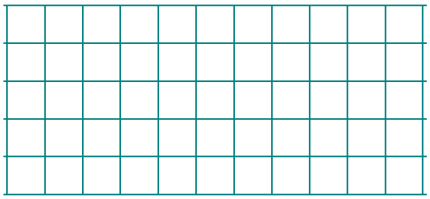
D. Peggy packs ***w*** fruit baskets in an hour. Each basket contains 5 apples and 2 pears. How many apples does Peggy pack each hour?



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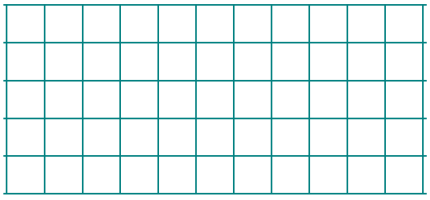
E. Peggy packs ***w*** fruit baskets in an hour. Each basket contains 5 apples and 2 pears. How many apples does Peggy pack in ***y*** hours?



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

37 × 89 = 56× 78 = 69 × 50 = 70 × 54 =

9765 ÷ 5= 2091 ÷ 3= 4172 ÷ 7=

18 ÷ 3 + (25 − 20 ÷ 2) = ___

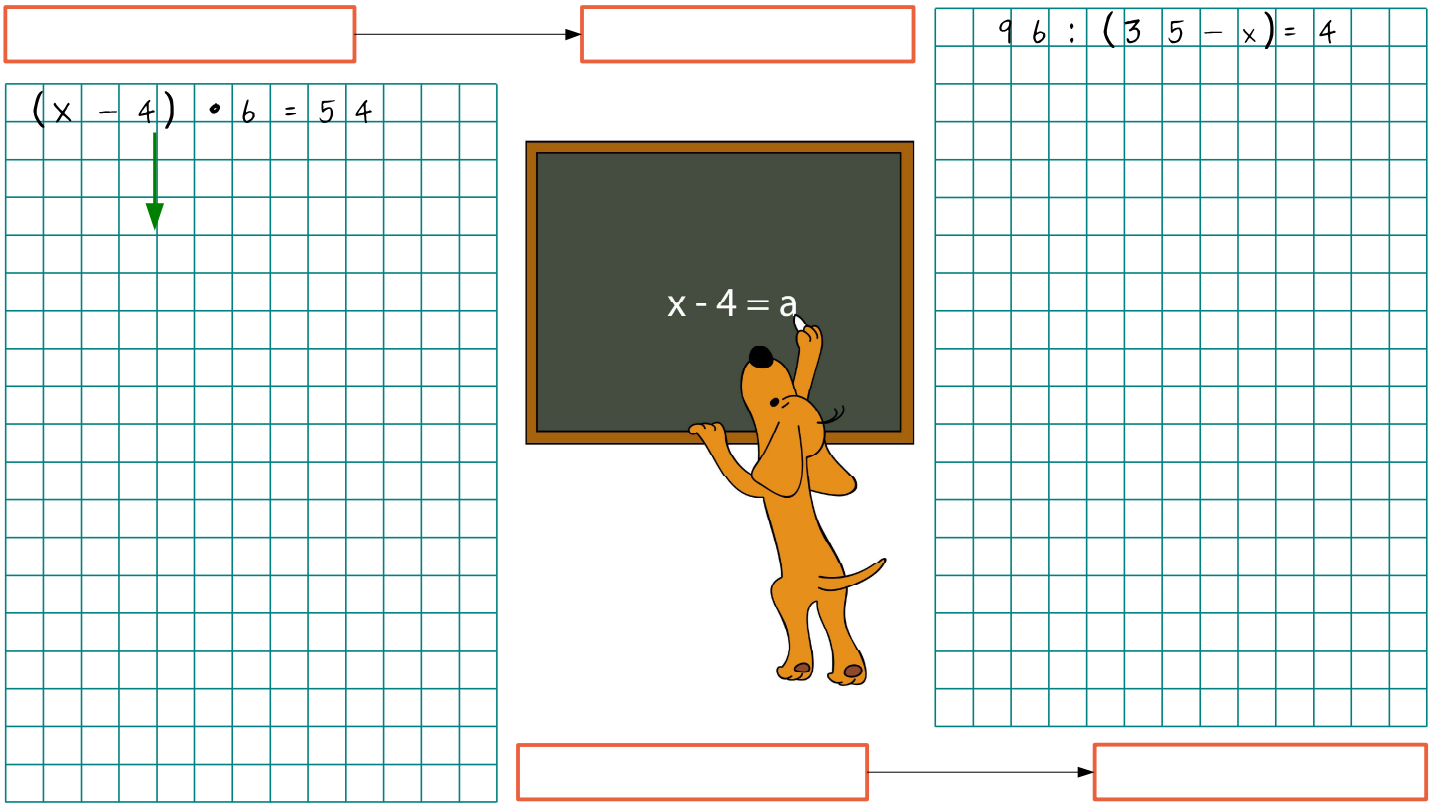
100 – (16 ÷ 2 + 14) + 7 = ___

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

$2x + 8 = 30$ $15x - 15 = 75$ $(15x - 15) + 5 = 80$

$x =$ _____ $x =$ _____ $x =$ _____

4 Use proper replacements to simplify and solve equations:



5 Calculate:

$\frac{1}{7} \times 7 =$ $\frac{1}{5} \times 5 =$ $\frac{1}{9} \times 9 =$ $\frac{1}{4} \times 4 =$

$\frac{1}{8} \times 8 =$ $\frac{1}{6} \times 6 =$ $\frac{1}{3} \times 3 =$ $\frac{1}{2} \times 2 =$

$1 : 7 =$ $1 : 3 =$ $1 : 5 =$ $1 : 4 =$

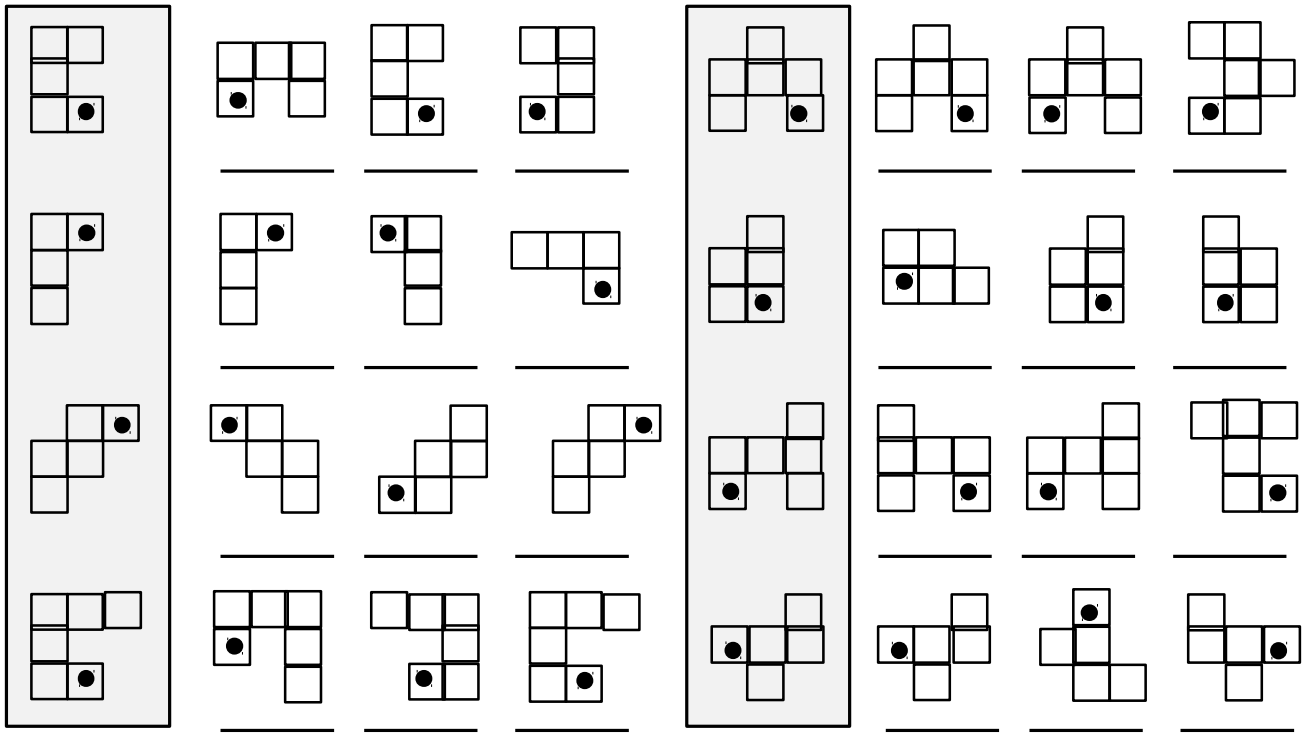
$1 : 9 =$ $1 : 6 =$ $1 : 8 =$ $1 : 2 =$

6 Compare:

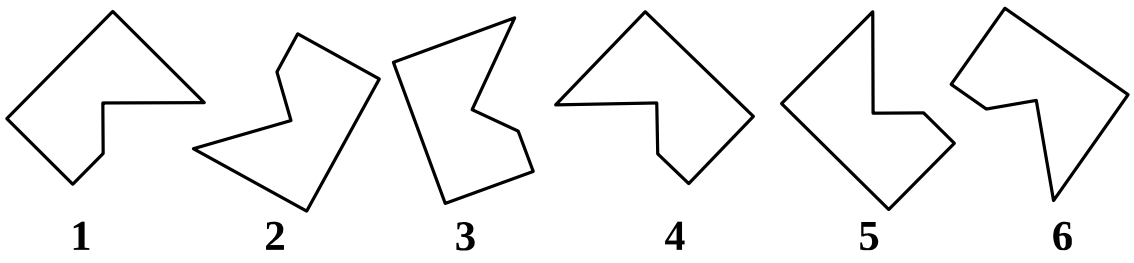
$\frac{1}{5} \square \frac{1}{4}$ $\frac{1}{3} \square \frac{1}{8}$ $\frac{1}{7} \square \frac{1}{12}$ $\frac{1}{11} \square \frac{1}{10}$

$\frac{1}{4} \square \frac{1}{3}$ $\frac{1}{7} \square \frac{1}{8}$ $\frac{1}{n+5} \square \frac{1}{4}$ $\frac{1}{n+3} \square \frac{1}{n}$

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

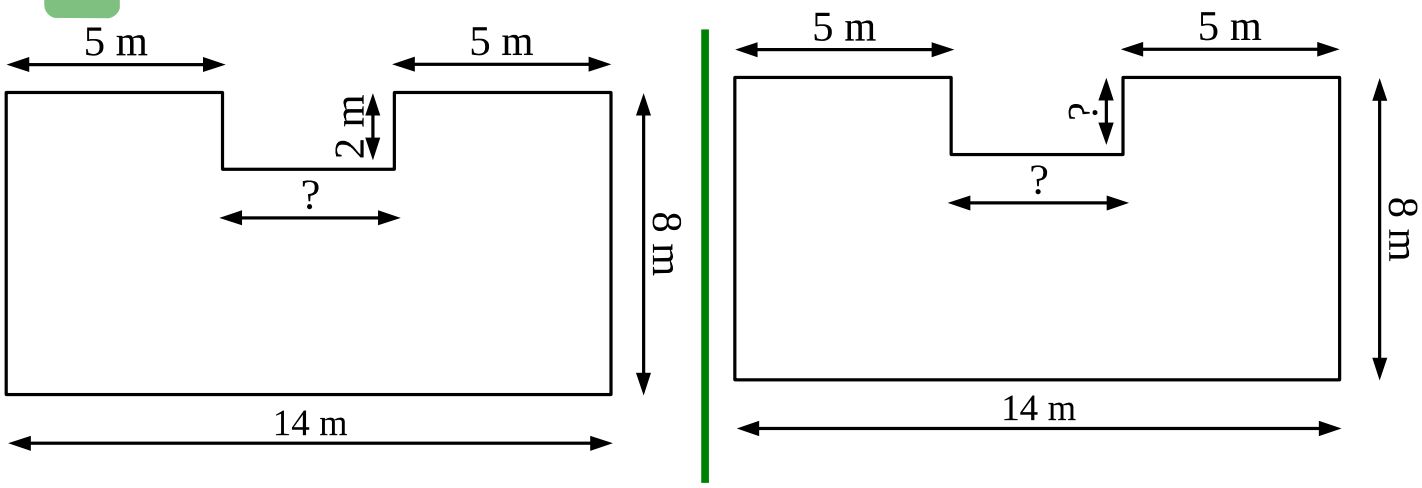


8 Choose the shape that cannot be obtained from the rest motion.



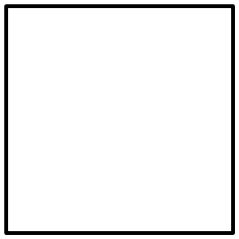
1 **2** **3** **4** **5** **6**

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?



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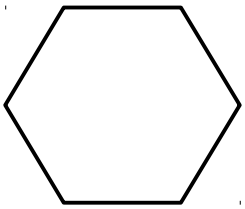
B. Each side of a hexagon is 2 inches. What is the hexagon's perimeter?



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

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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?

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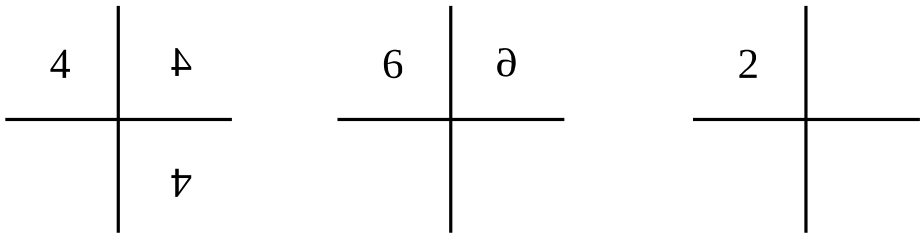
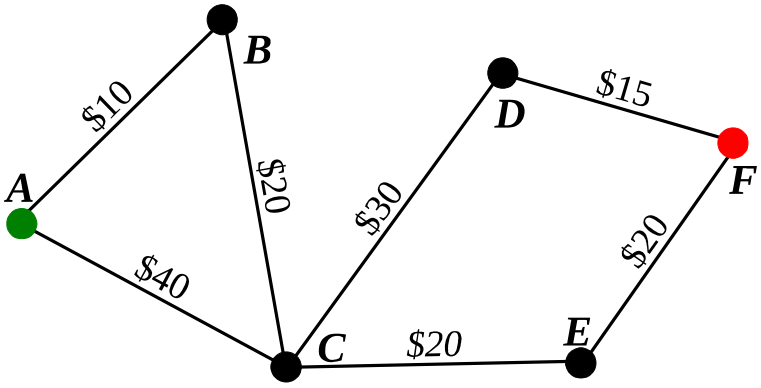
11 Fill in all empty squares.



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?



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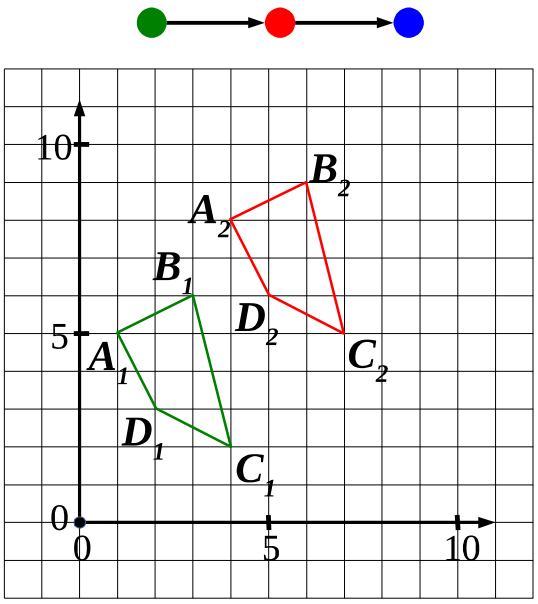
13 Motion of a green quadrilateral $A_1B_1C_1D_1$ produces a red quadrilateral $A_2B_2C_2D_2$.

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: