





6

What is the area in sq. cm of a table, which is 2m long and 7dm wide?

A = \_\_\_\_\_

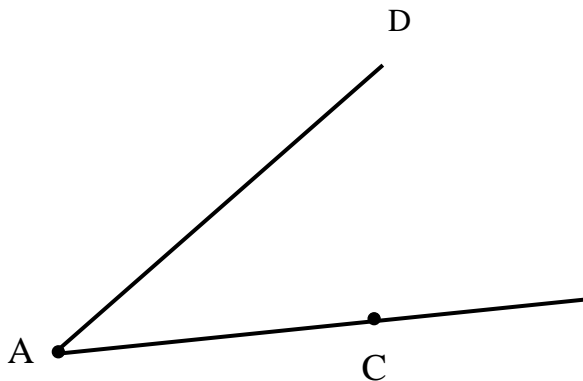
7

Jonathan's mother wants to repaint one wall in his room. The wall is 10 feet long, the ceiling of the room is 8 feet high. There is a one window in the wall, which is 3 foot wide and 5 foot high. What is the area in square feet of the part of the wall that she wants to paint? Draw a picture of the wall with a window to help you with calculations.

A = \_\_\_\_\_

8

Use a **compass** to find a point B on the side of the angle  $\angle DAC$ , so that the point B is at the same distance from the vertex of the angle – A, as point C is, but lies on the other side of the angle. .



9

Mark the order of operations and evaluate the following expressions:

$$749 \div 749 + 0 \div 319 - 219 \times 0 = \underline{\hspace{4cm}}$$

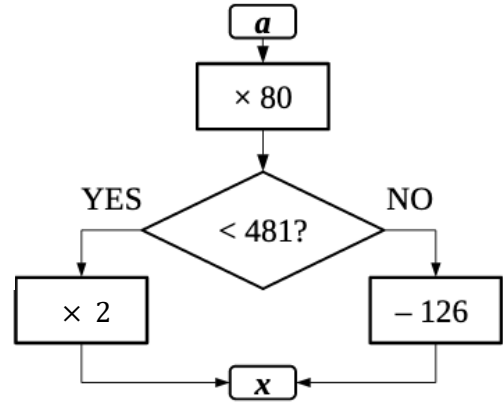
$$(626 - 108) + (132 - 76 + 204) - (252 - 184) = \underline{\hspace{4cm}}$$

$$626 - (108 + 132) + (76 + 204 - 252) - 184 = \underline{\hspace{4cm}}$$



**10** To solve the riddle, fill in the first table values for  $x$ ; then in the second table arrange the letters in the decreasing order for  $x$ .

<b><math>a</math></b>	1	2	3	4	5	6	7	8	9
<b><math>x</math></b>									
	E	N	P	R	O	P	I	U	C



<b><math>x</math></b>									
Letter									

**11** The area of the rectangle is  $24 \text{ cm}^2$ . How long can be the sides of such a rectangle? Fill in the possible values of  $a$  and  $b$  (sides of the rectangle) and perimeters for each rectangle with an area of  $24 \text{ cm}^2$ .

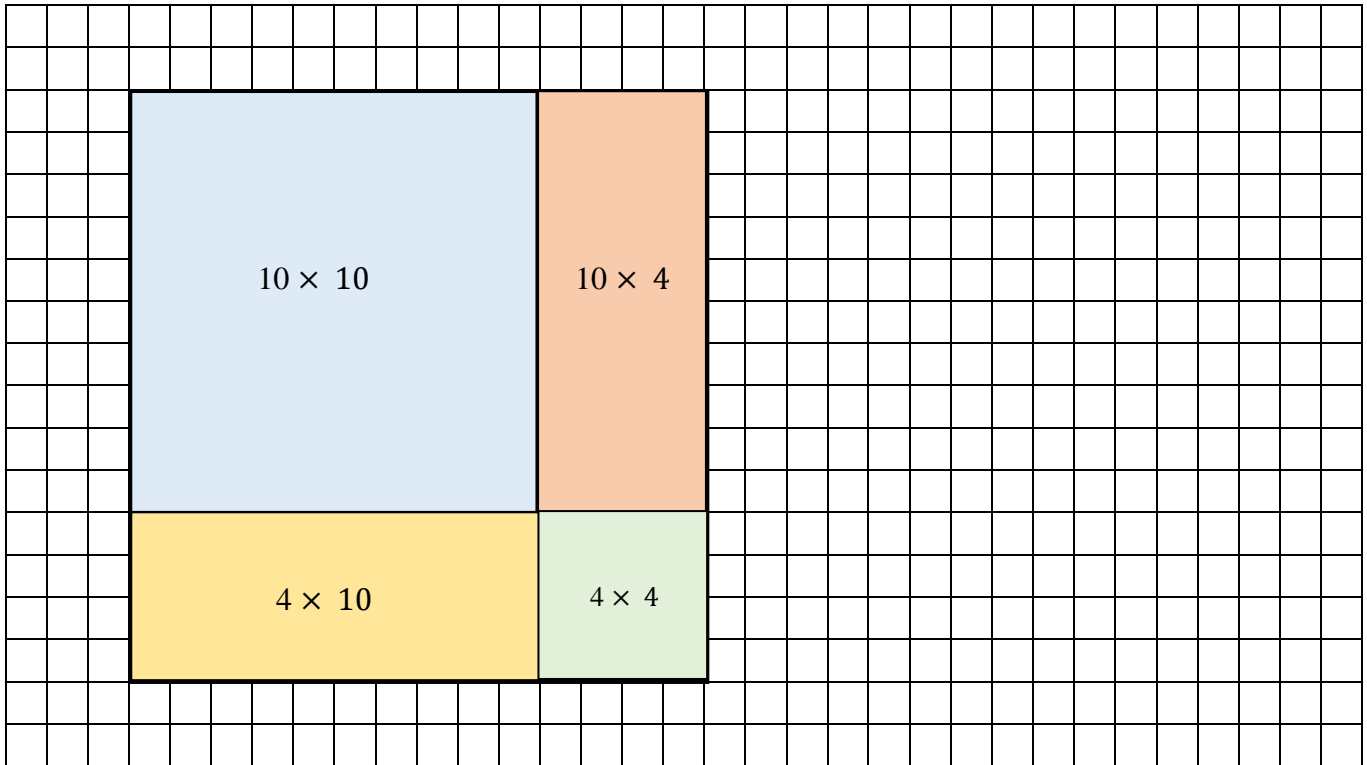
	$24 \text{ cm}^2$	$24 \text{ cm}^2$	$24 \text{ cm}^2$	$24 \text{ cm}^2$
<b><math>a</math></b>				
<b><math>b</math></b>				
P				

**12** The perimeter of the rectangle is  $24 \text{ cm}$ . How long can be the sides of such a rectangle? Fill in the possible values of  $a, b, c$  and  $d$  (sides of the rectangle) and areas for each rectangle with a perimeter of  $24 \text{ cm}$ .

	$24 \text{ cm}$	$24 \text{ cm}$	$24 \text{ cm}$	$24 \text{ cm}$	$24 \text{ cm}$	$24 \text{ cm}$
<b><math>a</math></b>						
<b><math>b</math></b>						
<b><math>c</math></b>						
<b><math>d</math></b>						
A						

13

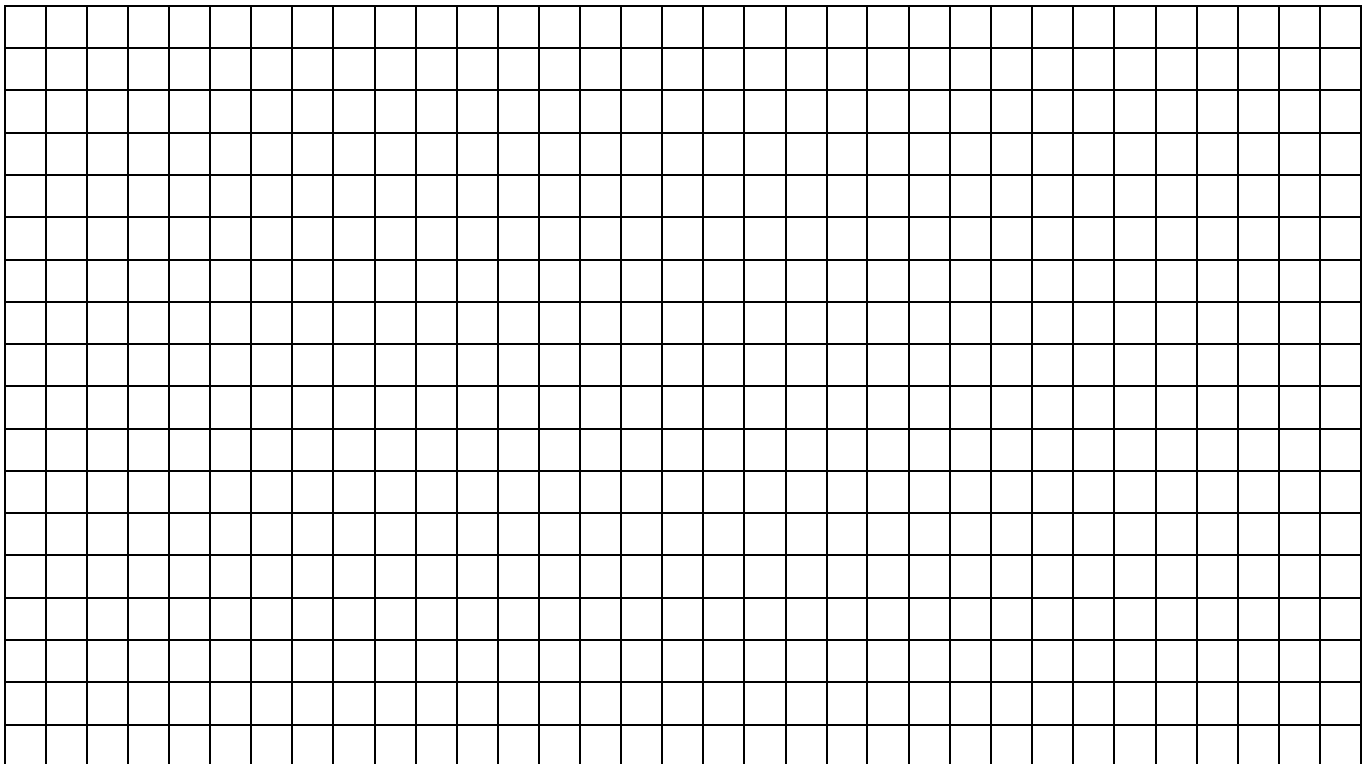
Use a distributive property of multiplication to calculate.

*Example:*  $14 \times 14 = (10 + 4) \times (10 + 4) =$ 

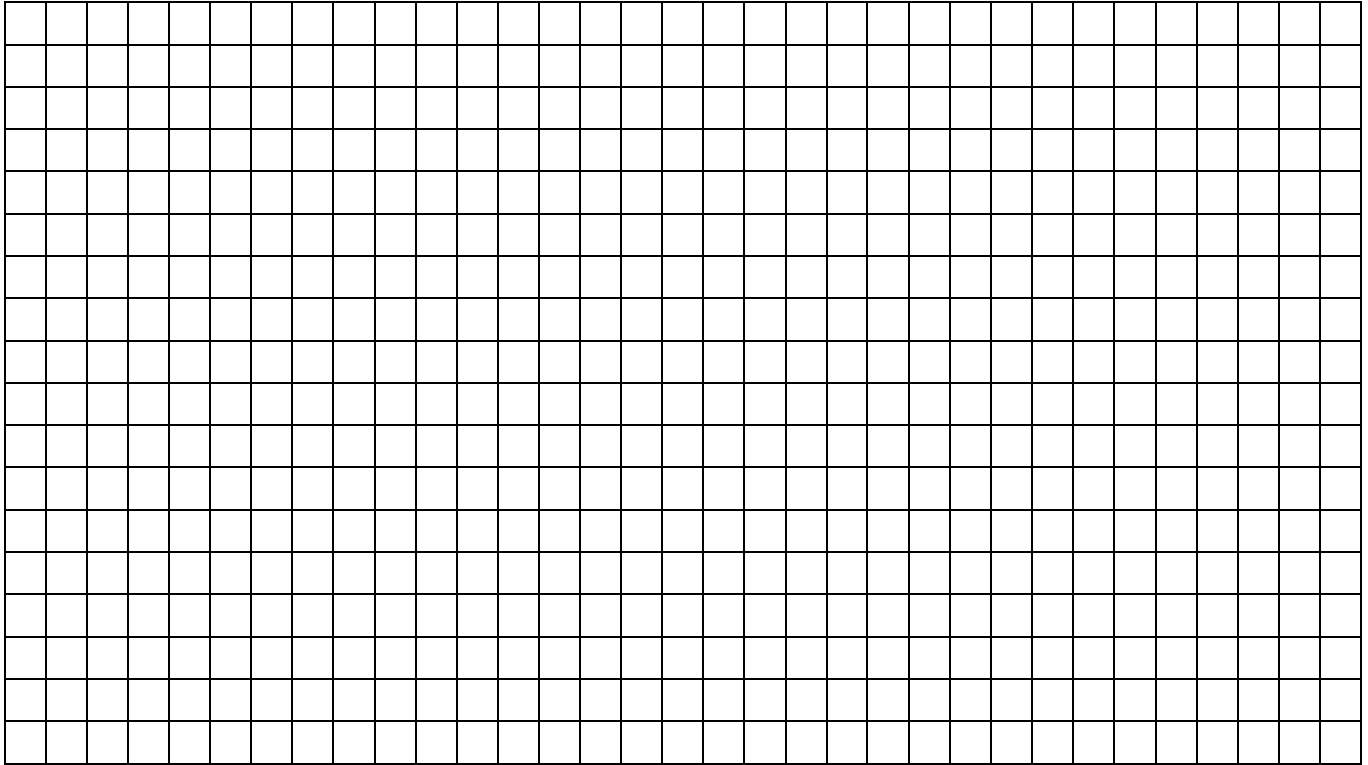
$$14 \times 14 = (10 + 4) \times (10 + 4) = 10 \times 10 + 10 \times 4 + 4 \times 10 + 4 \times 4 = 100 + 40 + 40 + 16 = 196$$

Make a sketch to visualize the expression:

a)  $16 \times 23 =$

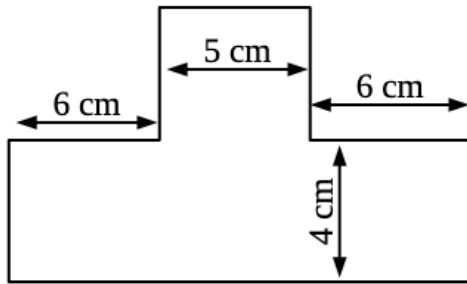


b)  $13 \times 28 =$



14

The shape on the drawing is made of a rectangle and a square. Find its perimeter and area.



P = \_\_\_\_\_

A = \_\_\_\_\_

15

Compare:

205dm \_\_\_\_\_ 2500cm

1m 5cm \_\_\_\_\_ 11dm 5cm

3m 4dm \_\_\_\_\_ 350cm

98dm \_\_\_\_\_ 980cm

50dm \_\_\_\_\_ 5m 10cm

69cm \_\_\_\_\_ 6dm 9cm

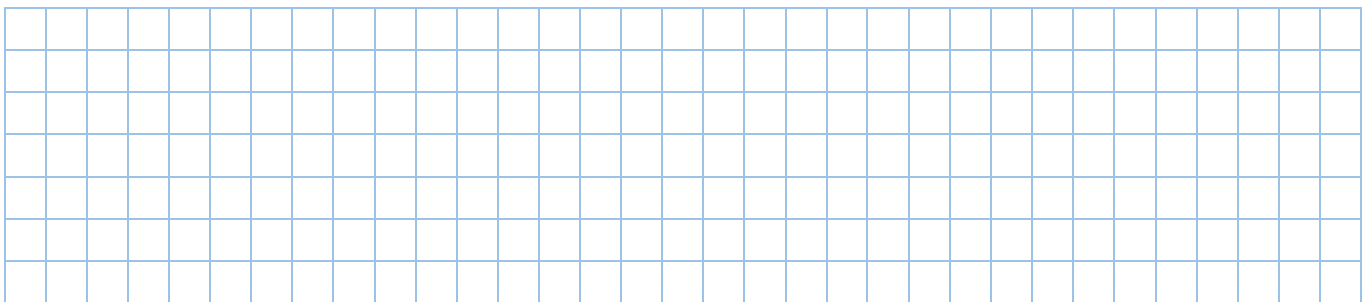
16

Calculate in columns:

$899 + 1512 =$

$308 + 2011 + 89 =$

$8506 - 658 =$



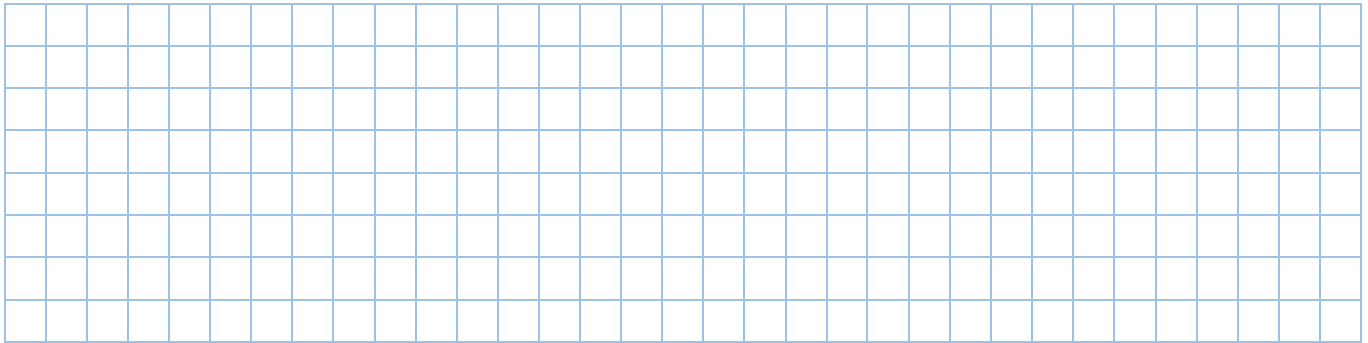
17

Multiply (in columns):

a)  $812 \times 16 =$

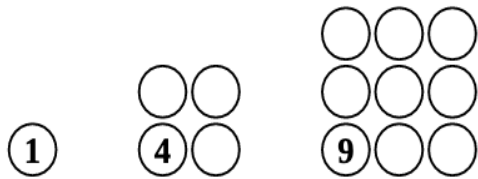
b)  $406 \times 204 =$

c)  $123 \times 590 =$



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a) Do you remember “square” numbers? Construct the next two. What is the pattern?



b) Do you remember “triangle” numbers? Construct the next four. What is the pattern?

