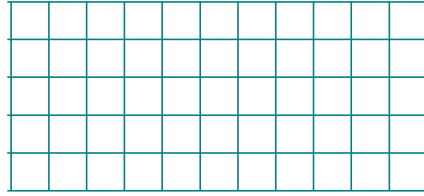


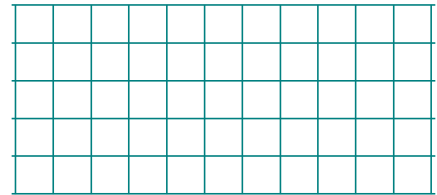
Lesson № 16

1 Write the expressions for the word problems:

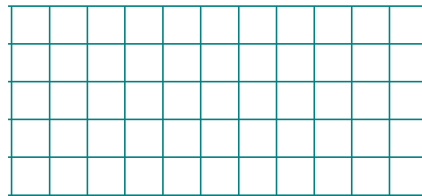
A. There were x plates of cupcakes at a party. Each plate had 8 cupcakes. If y cupcakes were eaten, how many are left?



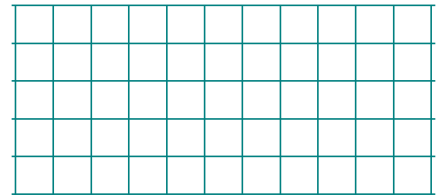
B. There are b children going to the zoo. If each bus has c rows. Each row fits d of students. How many buses will fit all the children?



C. I have a dollars. If I buy 9 books that cost d dollars each and 4 pencils that cost b dollars each, how much money will I have left?



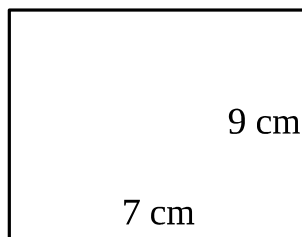
D. Anna walked x miles and swam for y miles. Her sister walked twice as far and swam four times less. How many miles did Anna's sister walk and swim altogether?



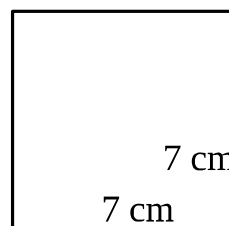
Perimeter:

Perimeter of a polygon is the sum of the lengths of *all* its sides.

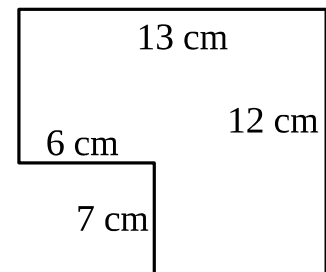
2 Calculate the perimeters of these polygons:



$P =$



$P =$



$P =$

Angle sum of a Triangle.

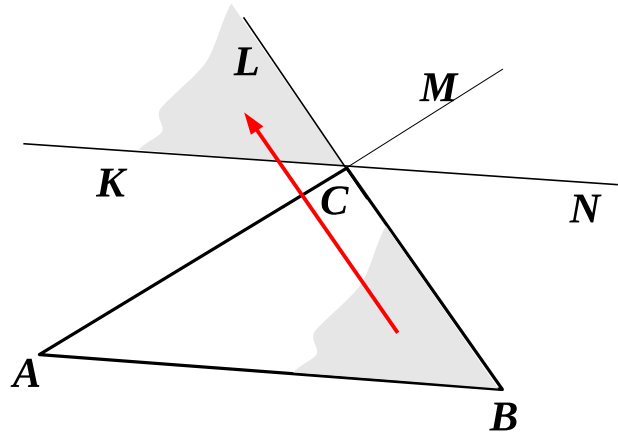
3 Compare:

$$\angle A \square \angle MCN$$

$$\angle B \square \angle LCK$$

$$\angle C \square \angle LCM$$

$$\angle MCN + \angle LCK + \angle LCM = 180^\circ$$



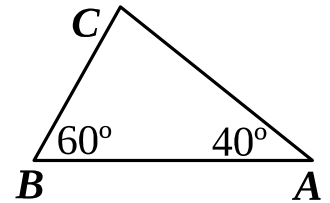
So, the angle sum of a triangle is 180° .

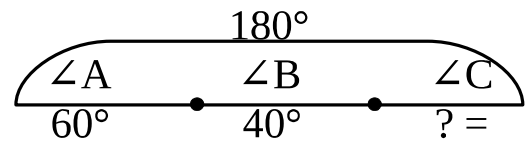
$$\angle A + \angle B + \angle C = 180^\circ$$

Can a triangle have two obtuse angles? _____

Can a triangle have two right angles? _____

In triangle ABC, $\angle A = 40^\circ$ and $\angle B = 60^\circ$.
What is the measure of $\angle C$?



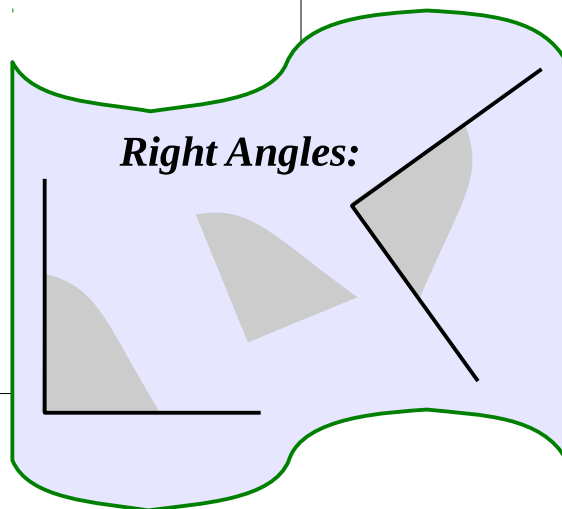


4 In $\triangle ABC$, $\angle A = 45^\circ$, $\angle B = 90^\circ$, find $\angle C$. _____

In $\triangle ABC$, $\angle A = 70^\circ$, $\angle B = 30^\circ$, find $\angle C$. _____

In $\triangle ABC$, $\angle A = 100^\circ$, $\angle B = 50^\circ$, find $\angle C$. _____

Classification of triangles				
		By angles' measure		
		Acute	Right	Obtuse
By sides' measure	Scalene			
	Isosceles			
	Equilateral		Does not exist	Does not exist

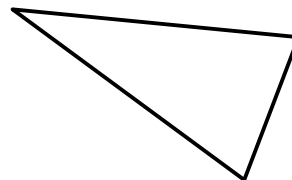


5

The triangle on the drawing is ...

_____ (by sides' measure) and

_____ (by angle).



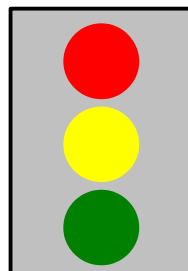
6

Solving simple equations of the type:

Expression = Number

		②		①					
3	6	-	x	•	4	=	1	2	
x	•	4	=						
x	•	4	=						
x	=								
x	=								
									✓

$$\begin{array}{l} 36 \\ \text{---} \\ x \cdot 4 \\ \text{---} \\ 12 \end{array}$$



$$\begin{array}{l} 36 - x \\ \text{---} \\ 12 \end{array} \quad 4$$

			①		②					
(3	6	-	x)	•	4	=	1	2
3	6	-	x	=						
3	6	-	x	=						
x	=									
x	=									
									✓	

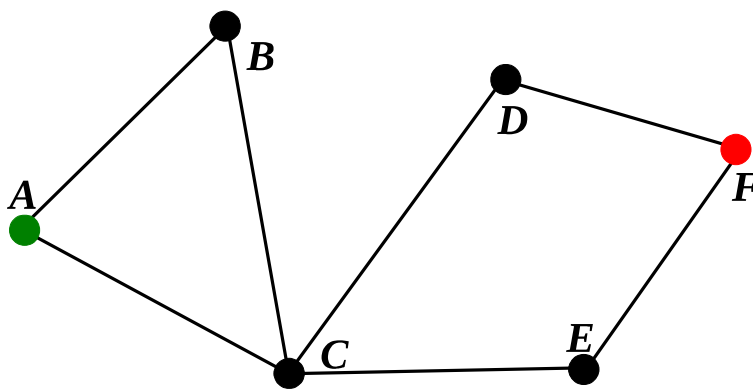
1. Identify the **last** operation in the expression
2. Make an appropriate auxiliary **drawing**
3. Use the drawing to **simplify** the original equation
4. Solve the simplified equation
5. **Check** your answer !

7

Foxy Tail lives in town **A** and he wants to visit his friend who lives in town **F**. The map below shows bus connections between nearby towns.

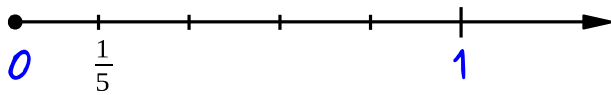
Which town must FT pass on his way from town **A** to town **F**?

If road **DC** is under construction, will FT be still able to visit his friend?

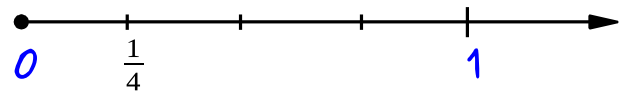


Dividing a Unit into Equal Parts

8



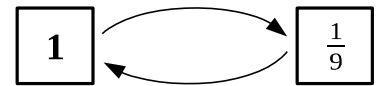
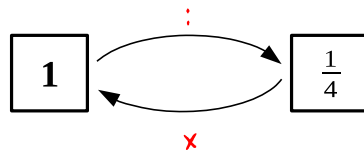
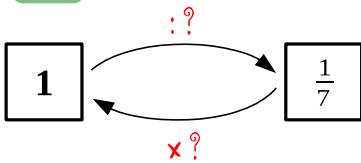
$$\frac{1}{5} = 1 : \square$$



$$\frac{1}{4} = 1 : \square$$

9

Write the operations that produce the following fractions:



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

$$\frac{1}{3} = 1 : \square$$

$$\frac{1}{4} = 1 : \square$$

$$\frac{1}{5} = 1 : \square$$

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

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

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

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

10

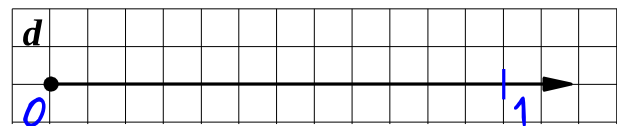
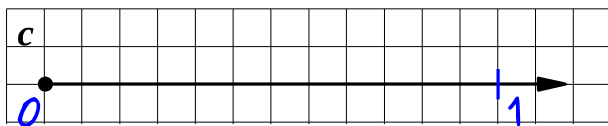
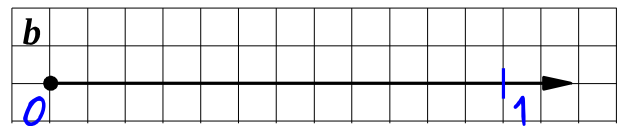
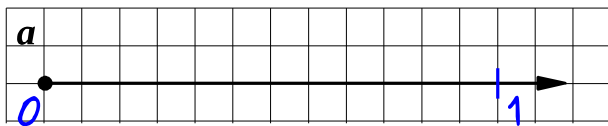
Mark the following fractions on the number rays:

a). $\frac{1}{3}$

b). $\frac{1}{2}$

c). $\frac{1}{6}$

d). $\frac{1}{12}$



11

List these fractions in the ...

A). ... increasing order: _____

B). ... decreasing order: _____

Lesson № 17

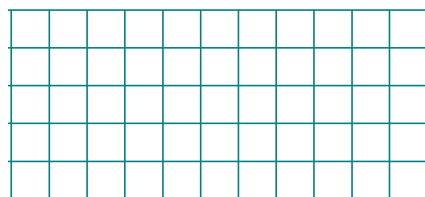
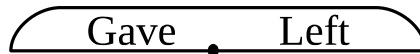
1 Write the expressions for the word problems:

A. Hannah had a stickers. She gave b stickers to each of her c friends. How many stickers does she have left?


B. Jenny saved a dollars this week. She saved 3 times as much last week and 4 times less the week before. How much money does she have?

C. Lilly types 20 pages in one hour. Jane who is more experienced types 25 pages in an hour. How many pages can they both type in 3 hours?

D. Lilly types x pages in one hour. Jane types b pages in an hour. How many pages can they both type in t hours?

**2** Solve equations:

5	4	-	y	=	6



5	4	:	x	=	6

