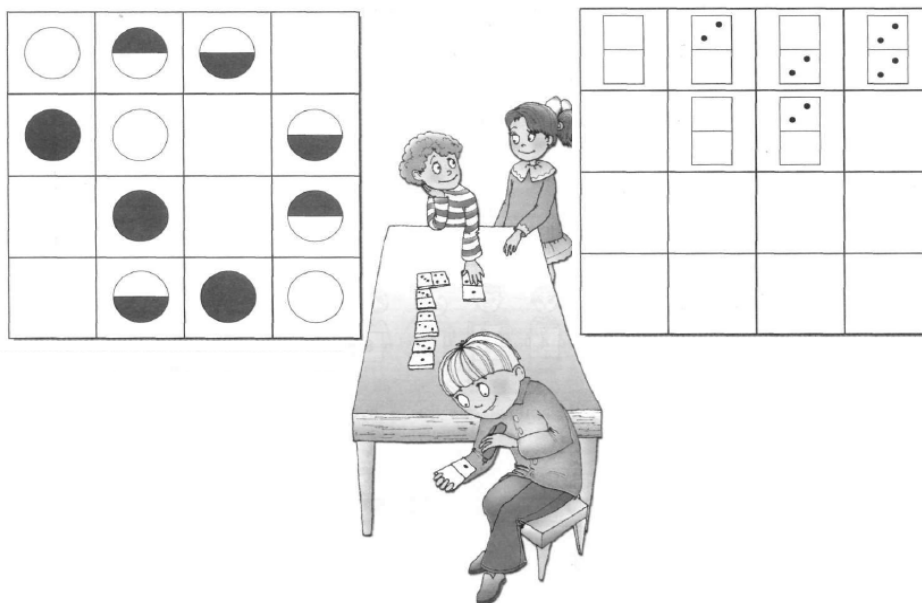
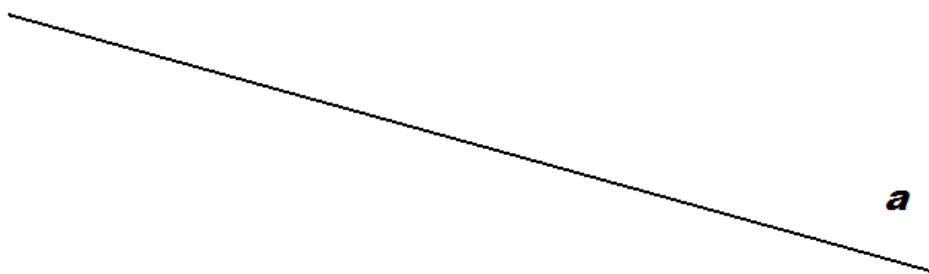


Homework 2

1. Discover the pattern and complete the table on the left. Use the **same rule** and complete the table on the right with domino tiles.



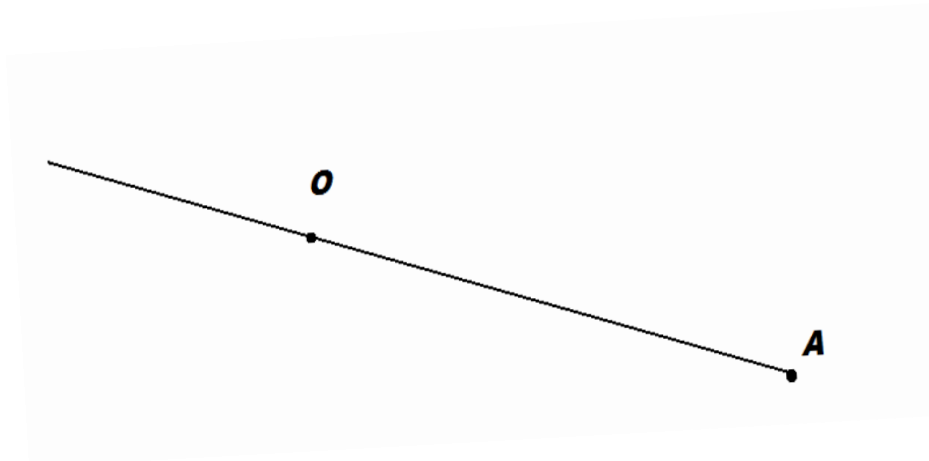
2. Place points **A**, **B**, **C**, **D**, **E** on the picture below. Points **A** and **C** should be on one side of the line **a** and the points **B**, **D** and **E** on the opposite side of the line.



Draw all possible rays that do not intersect the line **a** through each two points.

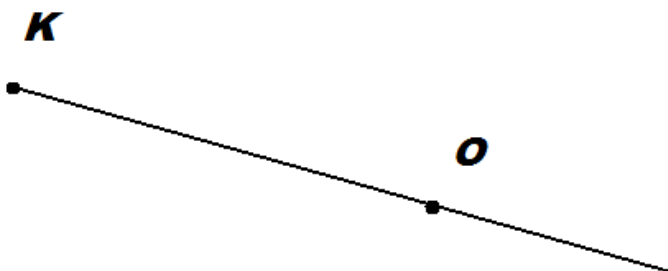
3.

Draw a segment **BD** which intersects ray **AO** on the picture below.
Also draw a segment **CE** which does not intersect ray **AO**.



4.

Construct a ray AC which intersects ray KO on the picture, and ray DE which does not intersect the ray KO.



Homework 6

5.

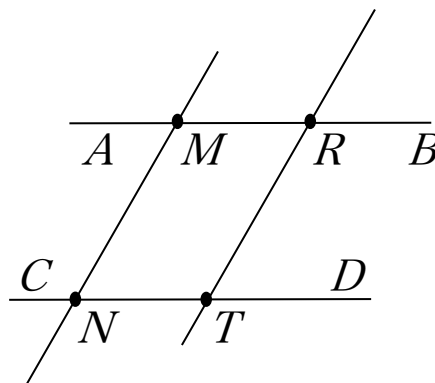
Make the pictures so that

- 1) an intersection of two segments is a point:
- 2) an intersection of two segments is a segment
- 3) the segments do not intersect.

6.

Fill in the table using the picture to the right.

Straight lines	
Parallel lines	
Points at intersections	
Nonparallel lines	
Line segments	



Homework 6

7.

Solve for x . Use diagrams.

$$x + 42 = 418$$

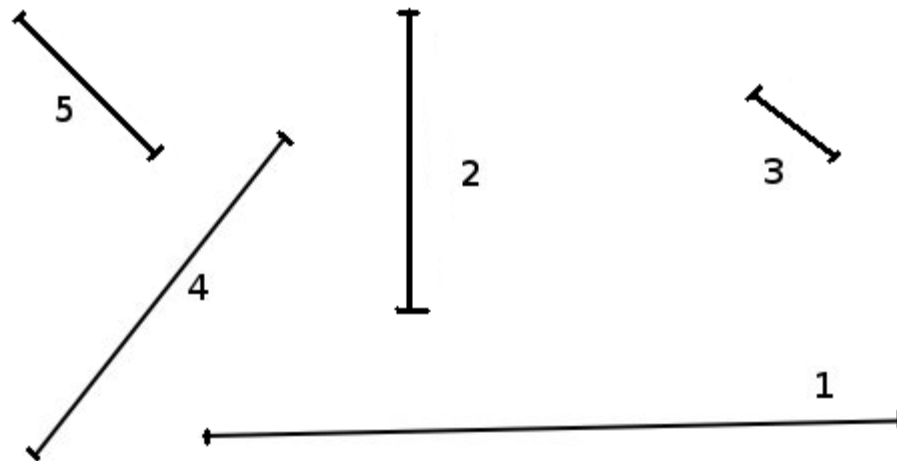
$$271 - x = 35$$

$$x - 26 = 345$$



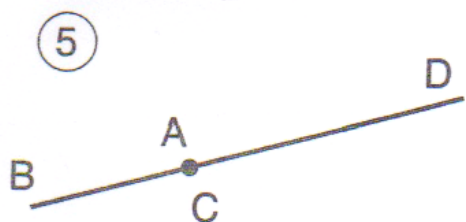
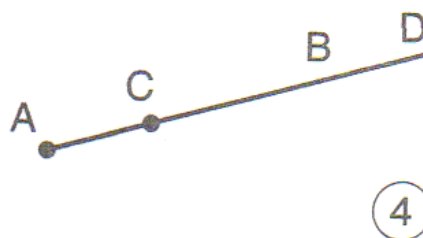
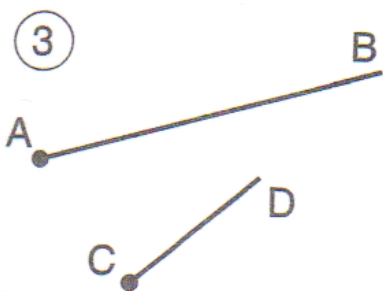
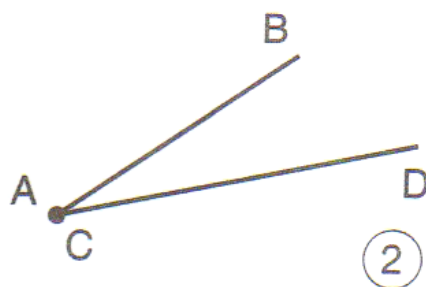
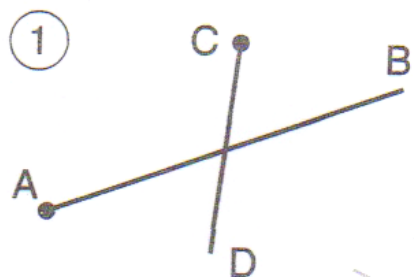
8.

Without measuring, place the following segments from shortest to longest:

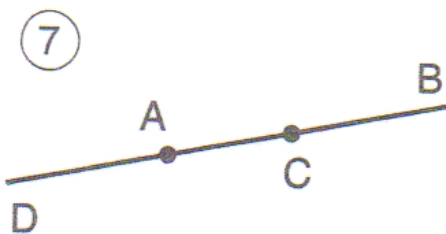
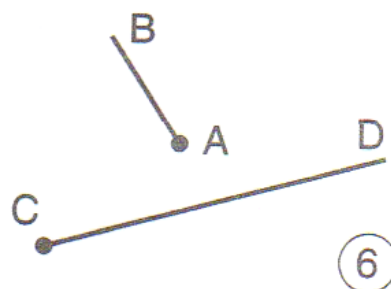


9.

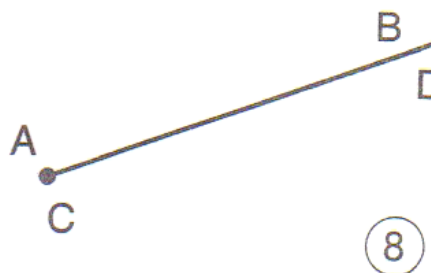
Trace ray AB in blue, and ray CD in green. Connect each picture with a name of a figure, which lies at the intersection of the rays. Trace the intersection in red.



Ray



Segment



10.

Write down ALL two-, and three-digit numbers that can be written using the digits 5 and 0.

Two-digit:

Three-digit:

Write down ALL two-, and three-digit numbers that can be written using the digits 5 and 1.

Two-digit:

Three-digit:

11.

Fill in the table:

a	2	7	5	3	5	3	4	6
$a + 4$								
$a \times 4$								

12

You have three strips of paper; each strip is of different color. Color these strips with a color of your choice:

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How many combinations of strips can you make if each combination consists of 3 different colors?

Draw them.

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