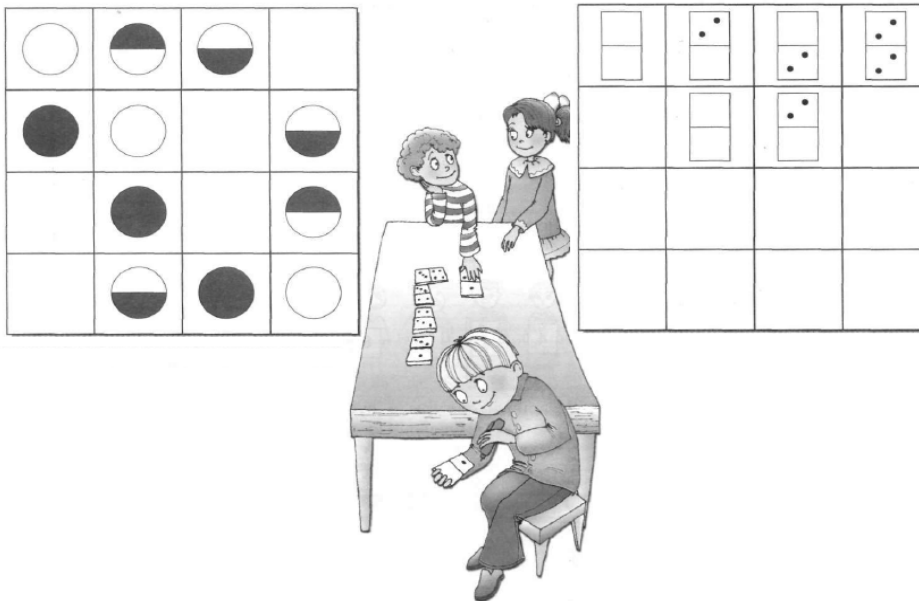


# Homework 6

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. Solve problems and write down your solution below:

a) A gnome is 43 cm tall; Pinocchio is 4 dm 8 cm tall. Who is taller? By how much?

---



---

b) An elevator button is 1 m 2 dm 1 cm above the floor. A boy is 13 dm 5 cm high. Can he reach an elevator button?

---



---

c) There are 12 *liters* of milk in a 12 *L* bucket. How can you share this milk equally between two families using two empty buckets: 3 *L* and 8 *L*?

---



---

### Homework 6

3.

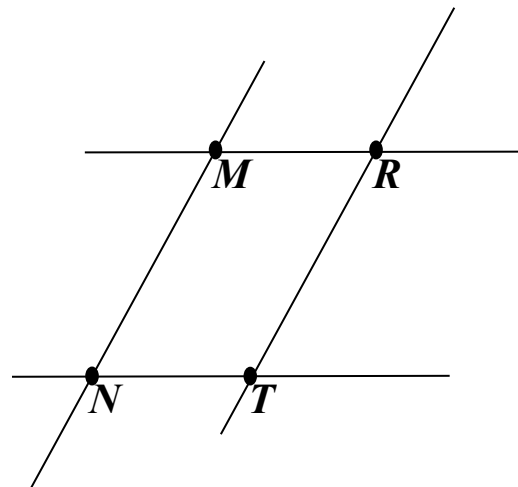
A pharmacy has an old balance scale, which has only two measuring weights: 30 grams and 5 grams. A pharmacist has to divide 300 grams of powder medicine into 3 small bags – 150 gram in the 1<sup>st</sup> bag, 100 grams in the 2<sup>nd</sup> bag and 50 grams in the 3<sup>rd</sup> bag. How can he do it if he can only weigh 3 times?



4.

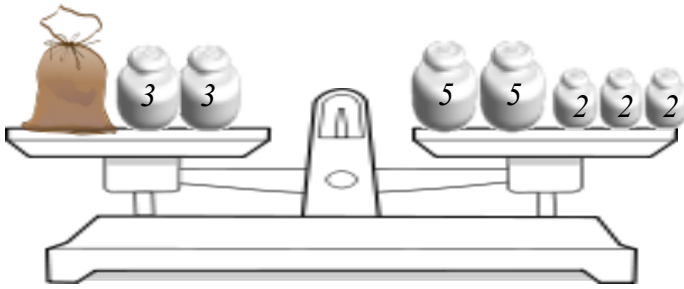
Fill in the table using the picture to the right.

Straight lines	
Parallel lines	
Points at intersections	
Nonparallel lines	
Line segments	



Homework 6

5.



How many *kg* does the bag of flour weigh?

---

---

6.

Solve for  $x$ . Use diagrams.

$$x + 42 = 418$$

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

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

---



$$271 - x = 35$$

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

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

---



$$x - 26 = 345$$

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

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

---



Homework 6

7.

Calculate:

	7	4	8		
	+	2	0	2	
<hr/>					

	4	8	6		
	+	3	5	4	
<hr/>					

	7	3	6		
	+	1	7	7	
<hr/>					

		3	2	5	
		+	5	7	4
<hr/>					

		6	2	8	
		+	3	7	3
<hr/>					

		3	4	7	
		+	3	6	1
<hr/>					

		6	1	6	
		-	3	5	3
<hr/>					

		6	6	8	
		-	5	0	8
<hr/>					

		4	7	6	
		-	1	9	3
<hr/>					

		4	6	5	
		-	2	3	9
<hr/>					

		2	3	9	
		-	8	4	
<hr/>					

		2	1	2	
		-	1	9	0
<hr/>					

		7	1	8	
		-	2	0	9
<hr/>					

		7	7	3	
		-	6	9	1
<hr/>					

		2	3	4	
		-	1	1	9
<hr/>					

8.

Express in meters, decimeters, and centimeters.

485 cm = 4m + 8dm + 5cm

5 m 62 cm = \_\_\_\_\_

807 cm = \_\_\_\_\_

350 cm = \_\_\_\_\_

Homework 6

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.

Over the summer, a group of tenth graders went for a tour of historic battlefields. During the trip, the students traveled 251 km by train, 96 km by bus and walked 26 km. How far did the group travelled overall?

---

---

12

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



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

Draw them.

