

Math 4b. Homework 23.



1. How many squares we have to shade to shade 10% of the line, 15%, 20%, 25%?



2. There are 200 pencils in the box. 3% of the pencils are red, 26% are yellow, and the rest are blue. How many red pencils are in the box?

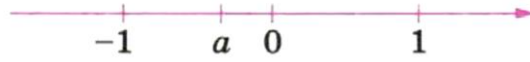
3. Find:

1% from 100	120% from 250
7% from 200	5% from 50
100% from 49	25% from 48
1% from 300	200% from 300
20% from 15	

4. Find a number, if

1% of it is 2;	200% of it is 400;
10% of it is 12;	100% of it is 0.1;
15% is 150;	50% of it is 1;
3% of it is 0.24;	25% of it is 30;

5. 15% of the participant of math Olympiad solved 1 problem, 25% of the participant solved 2 problems, and the rest 24 students solved all three problems. How many students did participate in the math Olympiad?
6. The ratio of the number of red tulips to the number of yellow tulips on the flower bed is 5:3. There are 10 more red tulips than the yellow ones. How many red and yellow are there on the flower bed.
7. The king said to the queen:
– Right now, I am twice as old as you were when I was as old as you are now. And when you are as old as I am now, together we will be 63 years old. How old are each of them?
8. Number a marked on the number line (see the picture below).
Which of the expression below isn't true?



$$1) \frac{1}{a} < -1 \quad 2) -\frac{1}{a} > 1 \quad 3) \frac{1}{a} < a \quad 4) -\frac{1}{a} < a$$

9. Solve the following equations:

$$-4.3 - (1.8 - x) = 3$$

$$\left(n + 1\frac{1}{2}\right) - 4\frac{2}{9} = -4\frac{8}{10}$$

$$(c - 6) - (4.5 - c) = -1.5$$

$$1\frac{5}{6} - \left(k - \frac{7}{12}\right) + 2\frac{1}{12} =$$

