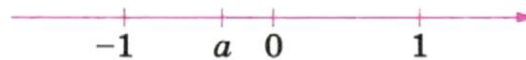


**Exercises:**

- Over two years, a factory reduced its production output by 51%. Each year, the production decreased by the same percentage. By what percentage was it reduced each year?
- Robert was given a bag of candies: chocolates and caramels. In the first 10 minutes, he ate 20% of all the candies, and 25% of those were caramels. After that, Robert ate three more chocolate candies, and the percentage of caramels among the candies he had eaten decreased to 20%. How many candies were in the bag Robert received?
- 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.
- 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?
- Number  $a$  marked on the number line (see the picture below).  
Which of the expression below isn't true?



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

- Solve the following equations:

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

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

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

$$1\frac{5}{6} - \left(k - \frac{7}{12}\right) + 2\frac{1}{12} = 0$$

