

1. Solve the following equations :-

(a)  $5a - 2 = 18$

(b)  $\frac{7x}{3} - 8 = 6$

2. Thrice of a number increased by 6 is 99. What is the number?

3. The length of a rectangle is twice of its breadth. Find the dimensions if the perimeter of the rectangle is 156cm.

4. If ₹1800 is to be divided among Mohan, Sohan and Dinesh in the ratio 3 : 4 : 5, then what is the amount received by each of them?

5. Find the missing proportional in  $3 : 6 :: 52 : x$

6. If 12 notebooks can be purchased in ₹480, then how many notebooks can be purchased in ₹760?

7. 10 boys can dig a pitch in 12 hours. How long will 8 boys take to do it?

8. Draw line segments of the following lengths :-

(a) 6 cms

(b) 12 cms

9. Some geometrical notations are given as follows. Categorize those into ray, line, line segment, angle and point

(a)  $\angle AOB$

(c)  $\overleftrightarrow{PQ}$

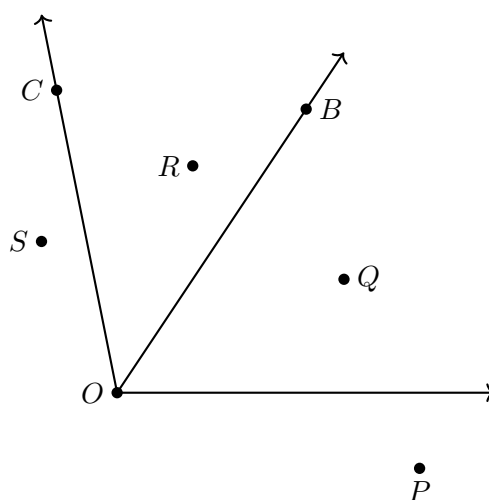
(e)  $\angle E$

(b)  $\overrightarrow{AB}$

(d)  $\overline{AB}$

(f)  $\bullet Q$

10. In the given figure, name the following :-



- (a) Rays
- (b) Angles
- (c) Interior points of the angles
- (d) Exterior points of the angles
- (e) Vertex of the angles

**Do all work in maths copy**