Assignment for class 7

7 - 1
Maths.

1). Solve the following

a). $(-8) \times (-5) + (-6)$

b) $(-5) \times [(-6) + 5]$

2). The sum of two integers is 116. If one of them is -79. Find the other integers.

3). If $\frac{2}{3}$ of a number is 6. Find the number.

4). Arrange the following in ascending order.

$\frac{1}{5}, \frac{3}{7}, \frac{7}{10}, \frac{1}{6}$

5). Simplify the following

$$\frac{\frac{1}{4} + \frac{1}{5}}{1 - \frac{3}{8} \times \frac{3}{5}}$$

6). Find the range of the following data

21, 16, 30, 15, 16, 18, 10, 24, 26, 20

7). Find the mode of the following data

24, 26, 23, 26, 22, 25, 26, 28

8). Find the median of the following data

20, 14, 6, 25, 18, 13, 19, 10, 9, 12

9). Find the mean of first 5 multiples of 3.

10). A bag contains 5 white and 9 red balls. One ball is drawn at random from the bag. Find the probability of getting

a) a white ball

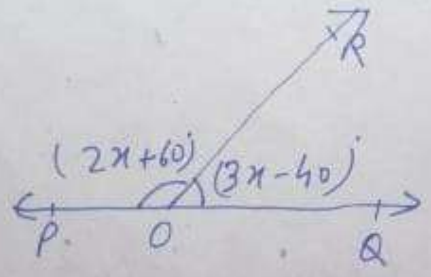
b) a red ball

11). Solve the following equations

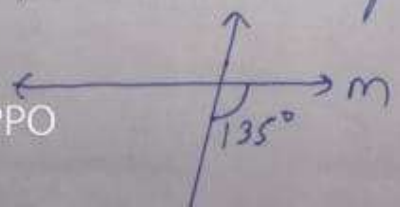
$3(y-2) = 2(y-1) - 3$

12). If one third of a number exceeds its one fourth by 1. Find the number.

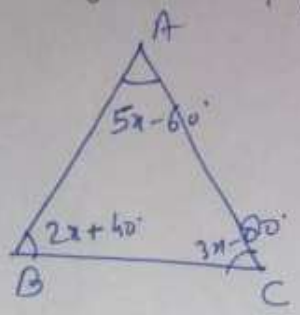
13) Find the value of x in the given figure



14). Find the value of y. (l || m)

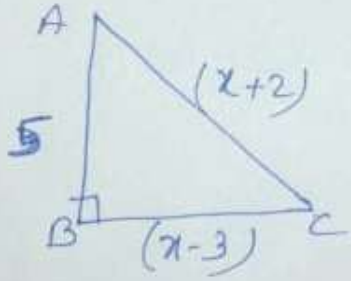


15). In the given figure, find x



16) One of the equal angles of an isosceles triangle is 50°. Find all angles of this triangle.

17). In the given right angled triangle ABC, ∠B = 90°, find the value of x.



18) Find whether the given triplets are pythagorean or not?
(5, 8, 17)

19). Find the ratio of 5Km to 400m.

20). Find mean Proportion of 9 and 16.

7-4 Maths

21). Reduce the following rational numbers in standard form

$$\frac{35}{-15}$$

22) Find the sum of

$$-4\frac{3}{4} + 2\frac{7}{12}$$

23). If the length and breadth of a rectangle are 36 Cm and 24 Cm respectively. Find

i) Perimeter

ii) Area of rectangle

24). The circumference of circle is 176 Cm. Find its radius.

25). Simplify

$$\frac{2^2 \times 3^4 \times 2^5}{2^4 \times 9}$$

26). Draw a figure having infinite number of Symmetry.