Exercise 5A

Q9

**Answer :**

There are total 9 natural numbers from 2 to 10. They are 2, 3, 4, 5, 6, 7, 8, 9, 10.
Out of these natural numbers, 2, 3, 5, 7 are the prime numbers.
∴ The required fraction = $\frac{4}{9}$.

## Q10

**Answer :**

(i) $\frac{2}{3}$ of 15 pens = $\left(\frac{2}{\cancel{3}_1} \times \frac{\cancel{15}^{5}}{1}\right) = 10$ **pens**

(ii) $\frac{2}{3}$ of 27 balls = $\left(\frac{2}{\cancel{3}_1} \times \frac{\cancel{27}^{9}}{1}\right) = 18$ **balls**

(iii) $\frac{2}{3}$ of 36 balloons = $\left(\frac{2}{\cancel{3}_1} \times \frac{\cancel{36}^{12}}{1}\right) = 24$ **balloons**

## Q11

**Answer :**

(i) $\frac{3}{4}$ of 16 cups = $\left(\frac{3}{\cancel{4}_1} \times \frac{\cancel{16}^{4}}{1}\right) = 12$ **cups**

(ii) $\frac{3}{4}$ of 28 rackets = $\left(\frac{3}{\cancel{4}_1} \times \frac{\cancel{28}^{7}}{1}\right) = 21$ **rackets**

(iii) $\frac{3}{4}$ of 32 books = $\left(\frac{3}{\cancel{4}_1} \times \frac{\cancel{32}^{8}}{1}\right) = 24$ **books**

## Q12

**Answer :**

Neelam gives $\frac{4}{5}$ of 25 pencils to Meena.

$\left(\frac{4}{\cancel{5}_1} \times \frac{\cancel{25}^{5}}{1}\right) = 20$ **Pencils**

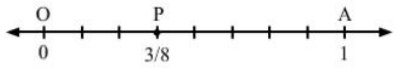
Thus, Meena gets 20 pencils.
∴ Number of pencils left with Neelam = 25 − 20 = 5 pencils
Thus, 5 pencils are left with Neelam.

Q13

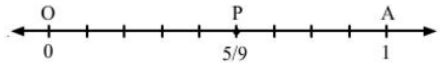
**Answer :**

Draw a 0 to 1 on a number line. Label point 1 as A and mark the starting point as 0.

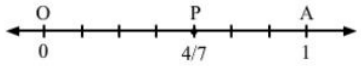
(i) Divide the number line from 0 to 1 into 8 equal parts and take out 3 parts from it to reach point P.



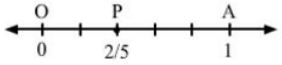

(ii) Divide the number line from 0 to 1 into 9 equal parts and take out 5 parts from it to reach point P.



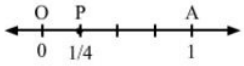

(iii) Divide the number line from 0 to 1 into 7 equal parts and take out 4 parts from it to reach point P.




(Iv) Divide the number line from 0 to 1 into 5 equal parts and take out 2 parts from it to reach point P.




(v) Divide the number line from 0 to 1 into 4 equal parts and take out 1 part from it to reach point P.

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