

Solution of Practice Set (7)

1. How many one sixths are there in 1200?

Answer → The number of one sixths ($\frac{1}{6}$) in 1200 is,

$$1200 \div \frac{1}{6} = 1200 \times \frac{6}{1} = 7200 \text{ Answer}$$

2. One third of a number is 90. Find thrice of the number.

Answer → $\frac{1}{3}$ rd of the number = 90

∴ the number is, $90 \div \frac{1}{3}$

$$= 90 \times \frac{3}{1} = 270$$

∴ Thrice of the number will be

$$270 \times 3 = 810 \text{ Answer.}$$

3. Find five equivalent fractions of $\frac{24}{36}$

The equivalent fractions of $\frac{24}{36}$ are

$$\text{(i)} \quad \frac{24}{36} = \frac{24 \times 2}{36 \times 2} = \frac{48}{72}$$

$$\text{(ii)} \quad \frac{24}{36} = \frac{24 \div 2}{36 \div 2} = \frac{12}{18}$$

$$\text{(iii)} \quad \frac{24}{36} = \frac{24 \times 3}{36 \times 3} = \frac{72}{108}$$

$$\text{(iv)} \quad \frac{24}{36} = \frac{24 \div 3}{36 \div 3} = \frac{8}{12}$$

$$\text{(v)} \quad \frac{24 \div 4}{36 \div 4} = \frac{6}{9}$$

Note of Q. no. - 3

The numerators & the denominators are divided & multiplied by the same number for making equivalent fractions.

④ Express the fraction as improper fraction!

Answer. \rightarrow

$$7 \frac{12}{25} = \frac{(7 \times 25) + 12}{25}$$

denominator

$$= \frac{175 + 12}{25} = \frac{187}{25}$$

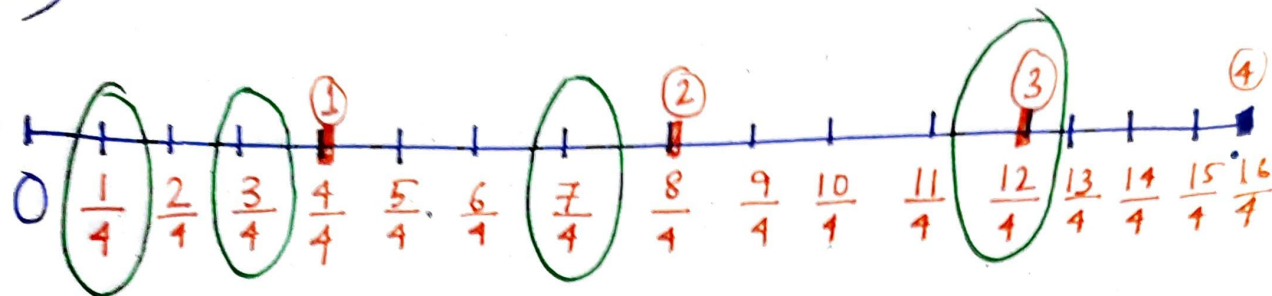
⑤ Find the equivalent fraction of $\frac{12}{60}$ with denominator 10.

$$\frac{12}{60} = \frac{12 \div 6}{60 \div 6} = \frac{2}{10} \text{ Ans.}$$

Equivalent fraction with denominator 10.

6. Draw a number line & locate the points $\frac{1}{4}, \frac{7}{4}, \frac{12}{4}, \frac{3}{4}$.

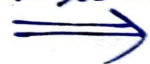
Answer It's better to use pencil.



→ The points are located ⁱⁿ with green colour.

7. Reduce the fraction to its simplest form. $\frac{500}{1480}$

Answer



$$\frac{500}{1480} = \frac{50}{148} = \frac{10}{29.6} = \frac{5}{14.8}$$

Simplest form

Reduced by 10 Reduced by 5 Reduced by 2

8. Arrange in ascending order.

$$\frac{14}{19}, \frac{14}{23}, \frac{14}{79}, \frac{14}{3}$$

Answer

⇒ All the numerators are same.

∴ The smallest denominator is the greatest fraction & accordingly.

∴ The ascending order will be,

$$\frac{14}{79}, \frac{14}{23}, \frac{14}{19}, \frac{14}{3}$$