

ACTIVITY – 1

Q-5. Use > , < or =

a. $\frac{3}{7} = \frac{3}{7}$

b. $\frac{6}{11} < \frac{8}{11}$

c. $\frac{7}{8} < \frac{8}{8}$

d. $\frac{4}{9} < \frac{4}{7}$

e. $\frac{5}{12} = \frac{5}{12}$

Q-6. Arrange in Ascending order :

a. $\frac{3}{17}$, $\frac{2}{17}$, $\frac{6}{17}$, $\frac{5}{17}$ **Ans :** $\frac{2}{17}$, $\frac{3}{17}$, $\frac{5}{17}$, $\frac{6}{17}$

b. $\frac{3}{7}$, $\frac{4}{7}$, $\frac{6}{7}$, $\frac{1}{7}$ **Ans :** $\frac{1}{7}$, $\frac{3}{7}$, $\frac{4}{7}$, $\frac{6}{7}$

Q-7. Arrange in Descending order :

a. $\frac{7}{11}$, $\frac{7}{13}$, $\frac{7}{15}$, $\frac{7}{9}$ **Ans :** $\frac{7}{9}$, $\frac{7}{11}$, $\frac{7}{13}$, $\frac{7}{15}$

b. $\frac{3}{17}$, $\frac{2}{17}$, $\frac{6}{17}$, $\frac{5}{17}$ **Ans :** $\frac{6}{17}$, $\frac{5}{17}$, $\frac{3}{17}$, $\frac{2}{17}$

Q-8. Find :

a. $\frac{1}{2}$ of 48 grams = $\frac{1}{2} \times 48 = \frac{48}{2} = 24$ grams

b. $\frac{1}{3}$ of Rs 99 = $\frac{1}{3} \times 99 = \frac{99}{3} = \text{Rs } 33$

c. $\frac{1}{2}$ of 60 minutes = $\frac{1}{2} \times 60 = \frac{60}{2} = 30$ minutes

d. $\frac{1}{3}$ of 72 L = $\frac{1}{3} \times 72 = \frac{72}{3} = 24$ L

ACTIVITY – 2

Q-3. Write the first four equivalent fractions of the following :

b.. $\frac{3}{5} = \frac{6}{10} = \frac{9}{15} = \frac{12}{20} = \frac{15}{25}$

c. $\frac{2}{7} = \frac{4}{14} = \frac{6}{21} = \frac{8}{28} = \frac{10}{35}$

d. $\frac{5}{6} = \frac{10}{12} = \frac{15}{18} = \frac{20}{24} = \frac{25}{30}$

e. $\frac{4}{11} = \frac{8}{22} = \frac{12}{33} = \frac{16}{44} = \frac{20}{55}$

Q-5. Find an equivalent fraction of $\frac{3}{7}$ with :

a. Numerator = 15 $\frac{3}{7} = \frac{3 \times 5}{7 \times 5} = \frac{15}{35}$

b. Denominator 42 $\frac{3}{7} = \frac{3 \times 6}{7 \times 6} = \frac{18}{42}$

c. Numerator = 27 $\frac{3}{7} = \frac{3 \times 9}{7 \times 9} = \frac{27}{63}$

Q-6. Check whether the following fractions are equivalent or not using by cross multiplication method :

a. $\frac{3}{8}$ and $\frac{16}{24}$

$$\frac{3}{8} \begin{array}{l} \nearrow \\ \searrow \end{array} \frac{16}{24}$$

$$3 \times 24 = 72$$

$$8 \times 16 = 128$$

Hence , $\frac{3}{8}$ and $\frac{16}{24}$ are not equivalent fractions .

b. $\frac{2}{5}$ and $\frac{10}{25}$

$$\frac{2}{5} \begin{array}{l} \nearrow \\ \searrow \end{array} \frac{10}{25}$$

$$2 \times 25 = 50$$

$$5 \times 10 = 50$$

Hence, $\frac{2}{5}$ and $\frac{10}{25}$ are equivalent fractions .