



Fractions Ex 6.7 Q3

Answer :

- (i) $\frac{3}{6} < \frac{5}{6}$ because $3 < 5$ and the denominator is the same.
 (ii) $\frac{4}{5} > \frac{0}{5}$ because $4 > 0$ and the denominator is the same.
 (iii) $\frac{3}{20} < \frac{4}{20}$ because $3 < 4$ and the denominator is the same.
 (iv) $\frac{1}{7} < \frac{1}{4}$ because $7 > 4$; if the numerator is the same, then the fraction that has smaller denominator is greater.

Fractions Ex 6.7 Q4

Answer :

- (i) $\frac{6}{7} > \frac{6}{11}$ because if the numerator is the same, then the fraction with smaller denominator is greater.
 (ii) $\frac{3}{7} < \frac{5}{7}$ because $3 < 5$ and the denominator is the same.

(iii)

$$\frac{8}{12} = \frac{2 \times 2 \times 2}{2 \times 2 \times 3} = \frac{2}{3}$$
so $\frac{2}{3} = \frac{8}{12}$

(iv)

$$\frac{1}{5} = \frac{1}{5} \times \frac{3}{3} = \frac{3}{15} \quad (\text{Because } 3 < 4 \text{ and the denominator is the same. Therefore, } \frac{1}{5} < \frac{4}{15}.)$$

$$\frac{3}{15} < \frac{4}{15}$$

(v)

$$\frac{8}{3} > \frac{8}{13} \quad \text{because if the numerator is the same, then the fraction with smaller denominator is greater.}$$

(vi)

$$\frac{4}{9} = \frac{4}{9} \times \frac{8}{8} = \frac{32}{72} \quad (\text{Because } 135 > 32 \text{ and the denominator is the same})$$

$$\frac{15}{8} = \frac{15}{8} \times \frac{9}{9} = \frac{135}{72}$$

$$\frac{32}{72} < \frac{135}{72}$$

$$\therefore \frac{4}{9} < \frac{15}{8}$$

***** END *****