## 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)
$\frac{8}{12} = \frac{2\times2\times2}{2\times2\times3} = \frac{2}{3}$
$so\ \frac{2}{3} = \frac{8}{12}$

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

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

(vi)
$\frac{4}{9} = \frac{4}{9} \times \frac{8}{8} = \frac{32}{72}$ (Because 135 > 32 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 **********