

Comparing two fractions with different denominators

Compare the following fractions and write “<”, “>” or “=” in the circle between them. You have to convert the given fractions into equivalent fractions to compare.

1) $\frac{2}{5}$ and $\frac{3}{4}$

Lcm of 5 and 4 = 20, so change both fractions to equivalent fractions with denominators 20.

$$\frac{2}{5} = \frac{2 \times 4}{5 \times 4} = \frac{8}{20} \quad \& \quad \frac{3}{4} = \frac{3 \times 5}{4 \times 5} = \frac{15}{20}$$

Now $\frac{8}{20} < \frac{15}{20}$;

So $\frac{2}{5} < \frac{3}{4}$

2) $\frac{3}{5}$ and $\frac{5}{8}$

3) $\frac{3}{6}$ and $\frac{1}{2}$

4) $\frac{7}{8}$ and $\frac{5}{6}$

5) $\frac{7}{12}$ and $\frac{3}{8}$

6) $\frac{4}{5}$ and $\frac{5}{6}$