

Find if two fractions are equivalent or not

Equivalent Fractions

Find out if the following fractions are equivalent or not. First two problems are done for you as examples, you do the rest.

1) $\frac{1}{3}$ and $\frac{3}{4}$ First of all find the relation between the numerators

and denominators as shown below:

$$\frac{1}{3} \xrightarrow{\times 3} \frac{3}{3} \quad \text{Different relationship,}$$
$$\frac{3}{3} \xrightarrow{\text{No factor}} \frac{4}{3} \quad \text{Not equivalent}$$

2) $\frac{8}{12}$ and $\frac{2}{3}$

$$\frac{8}{12} \xrightarrow{\div 4} \frac{2}{3} \quad \text{Same relationship,}$$
$$\frac{12}{12} \xrightarrow{\div 4} \frac{3}{3} \quad \text{Fractions are equivalent}$$

3) $\frac{3}{4}$ and $\frac{9}{12}$

4) $\frac{2}{3}$ and $\frac{6}{9}$

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

6) $\frac{3}{4}$ and $\frac{3}{5}$

7) $\frac{10}{18}$ and $\frac{5}{9}$

8) $\frac{3}{7}$ and $\frac{21}{49}$

9) $\frac{4}{9}$ and $\frac{2}{5}$

10) $\frac{8}{9}$ and $\frac{2}{3}$