

NAME \_\_\_\_\_

DATE \_\_\_\_\_

## EQUAL FRACTIONS: Worksheet 2

Find  $n$ .

1)  $\frac{5}{6} = \frac{n}{12}$

2)  $\frac{2}{3} = \frac{8}{n}$

3)  $\frac{5}{9} = \frac{n}{27}$

4)  $\frac{1}{4} = \frac{3}{n}$

Simplify each fraction to lowest terms.

5)  $\frac{9}{27}$

6)  $\frac{6}{8}$

7)  $\frac{4}{16}$

8)  $\frac{8}{20}$

9)  $\frac{5}{30}$

10)  $\frac{8}{10}$

KEY  
EQUAL FRACTIONS: Worksheet 2

Find  $n$ .

$$\begin{aligned} 1) \quad \frac{5}{6} &= \frac{n}{12} \\ \frac{5}{6} \times \frac{2}{2} &= \frac{10}{12} \\ n &= 10 \end{aligned}$$

$$\begin{aligned} 2) \quad \frac{2}{3} &= \frac{8}{n} \\ \frac{2}{3} \times \frac{4}{4} &= \frac{8}{12} \\ n &= 12 \end{aligned}$$

$$\begin{aligned} 3) \quad \frac{5}{9} &= \frac{n}{27} \\ \frac{5}{9} \times \frac{3}{3} &= \frac{15}{27} \\ n &= 15 \end{aligned}$$

$$\begin{aligned} 4) \quad \frac{1}{4} &= \frac{3}{n} \\ \frac{1}{4} \times \frac{3}{3} &= \frac{3}{12} \\ n &= 12 \end{aligned}$$

Simplify each fraction to lowest terms.

$$\begin{aligned} 5) \quad \frac{9}{27} \\ \frac{9}{27} \div \frac{9}{9} &= \frac{1}{3} \end{aligned}$$

$$\begin{aligned} 6) \quad \frac{6}{8} \\ \frac{6}{8} \div \frac{2}{2} &= \frac{3}{4} \end{aligned}$$

$$\begin{aligned} 7) \quad \frac{4}{16} \\ \frac{4}{16} \div \frac{4}{4} &= \frac{1}{4} \end{aligned}$$

$$\begin{aligned} 8) \quad \frac{8}{20} \\ \frac{8}{20} \div \frac{4}{4} &= \frac{2}{5} \end{aligned}$$

$$\begin{aligned} 9) \quad \frac{5}{30} \\ \frac{5}{30} \div \frac{5}{5} &= \frac{1}{6} \end{aligned}$$

$$\begin{aligned} 10) \quad \frac{8}{10} \\ \frac{8}{10} \div \frac{2}{2} &= \frac{4}{5} \end{aligned}$$