

NAME _____

DATE _____

EQUAL FRACTIONS: Worksheet 1

Find n .

1) $\frac{3}{4} = \frac{n}{12}$

2) $\frac{1}{7} = \frac{5}{n}$

3) $\frac{3}{5} = \frac{n}{15}$

4) $\frac{2}{9} = \frac{4}{n}$

Simplify each fraction to lowest terms.

5) $\frac{8}{12}$

6) $\frac{10}{25}$

7) $\frac{3}{9}$

8) $\frac{9}{21}$

9) $\frac{28}{32}$

10) $\frac{16}{18}$

KEY
EQUAL FRACTIONS: Worksheet 1

Find n .

$$\begin{aligned} 1) \quad \frac{3}{4} &= \frac{n}{12} \\ \frac{3}{4} \times \frac{3}{3} &= \frac{9}{12} \\ n &= 9 \end{aligned}$$

$$\begin{aligned} 2) \quad \frac{1}{7} &= \frac{5}{n} \\ \frac{1}{7} \times \frac{5}{5} &= \frac{5}{35} \\ n &= 35 \end{aligned}$$

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

$$\begin{aligned} 4) \quad \frac{2}{9} &= \frac{4}{n} \\ \frac{2}{9} \times \frac{2}{2} &= \frac{4}{18} \\ n &= 18 \end{aligned}$$

Simplify each fraction to lowest terms.

$$\begin{aligned} 5) \quad \frac{8}{12} \\ \frac{8}{12} \div \frac{4}{4} &= \frac{2}{3} \end{aligned}$$

$$\begin{aligned} 6) \quad \frac{10}{25} \\ \frac{10}{25} \div \frac{5}{5} &= \frac{2}{5} \end{aligned}$$

$$\begin{aligned} 7) \quad \frac{3}{9} \\ \frac{3}{9} \div \frac{3}{3} &= \frac{1}{3} \end{aligned}$$

$$\begin{aligned} 8) \quad \frac{9}{21} \\ \frac{9}{21} \div \frac{3}{3} &= \frac{3}{7} \end{aligned}$$

$$\begin{aligned} 9) \quad \frac{28}{32} \\ \frac{28}{32} \div \frac{4}{4} &= \frac{7}{8} \end{aligned}$$

$$\begin{aligned} 10) \quad \frac{16}{18} \\ \frac{16}{18} \div \frac{2}{2} &= \frac{8}{9} \end{aligned}$$