



Seatwork: Equivalent Ratio

Example 1: $\frac{3}{15} = \frac{n}{5}$

Step 1: Cross multiply.

$$\begin{aligned}(3) \times (5) &= (15) \times (n) \\ 15 &= 15n\end{aligned}$$

Step 2: Divide both sides by the number attached to n .

$$\begin{aligned}\frac{15}{15} &= \frac{15n}{15} \\ 1 &= n\end{aligned}$$

Therefore,

$$\frac{3}{15} = \frac{1}{5}$$

Example 2: $1 : 5 = n : 15$

Step 1: Get the product of the means and extremes.

$$\begin{aligned}(1) \times (15) &= (5) \times (n) \\ 15 &= 5n\end{aligned}$$

Step 2: Divide both sides by the number attached to n .

$$\begin{aligned}\frac{15}{5} &= \frac{5n}{5} \\ 3 &= n\end{aligned}$$

Therefore,

$$1 : 5 = 3 : 15$$

Direction: Get the equivalent fraction of the following. Write your answer on the textbox.

$$1) \quad \frac{3}{5} = \frac{\quad}{15}$$

$$2) \quad 2 : 4 = 8 :$$

$$3) \quad \frac{2}{7} = \frac{22}{\quad}$$

$$4) \quad \frac{4}{11} = \frac{2}{\quad}$$

$$5) \quad 3 : 4 = \quad : 16$$

$$6) \quad 2 : 4 = \quad : 8$$

$$7) \quad \frac{5}{7} = \frac{\quad}{14}$$

$$8) \quad 4 : 27 = \quad : 9$$

$$9) \quad 8 : 12 = \quad : 4$$

$$10) \quad \frac{3}{4} = \frac{9}{\quad}$$