



## Seatwork: Equivalent Ratio

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

Step 1: Cross multiply.

$$(3) \times (5) = (15) \times (n)$$
$$15 = 15n$$

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

$$\frac{15}{15} = \frac{15n}{15}$$
$$1 = n$$

Therefore,

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

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

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

$$(1) \times (15) = (5) \times (n)$$
$$15 = 5n$$

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

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

Therefore,

$$1 : 5 = 3 : 15$$

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

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

$$2) 2 : 4 = 8 :$$

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

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

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

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

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

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

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

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