

Solving Ratio Equations Using Cross Multiplication

$$\frac{x}{5} = \frac{15}{25}$$

$$25x = 5(15)$$

$$25x = 75$$

$$\frac{25x}{25} = \frac{75}{25}$$

$$x = 3$$

$$\frac{21}{y} = \frac{7}{2}$$

$$2(21) = 7y$$

$$42 = 7y$$

$$\frac{42}{7} = \frac{7y}{7}$$

$$6 = y$$

$$\frac{13.5}{28} = \frac{x}{12.5}$$

$$(13.5)(12.5) = 28x$$

$$168.75 = 28x$$

$$\frac{168.75}{28} = \frac{28x}{28}$$

$$6.026 = x$$

$$\frac{19}{2} = \frac{25}{y}$$

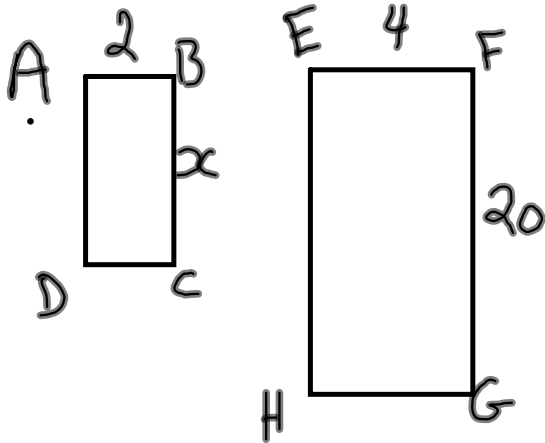
$$19y = 2(25)$$

$$19y = 50$$

$$\frac{19y}{19} = \frac{50}{19}$$

$$y = 2.63$$

More Similar Diagram Examples

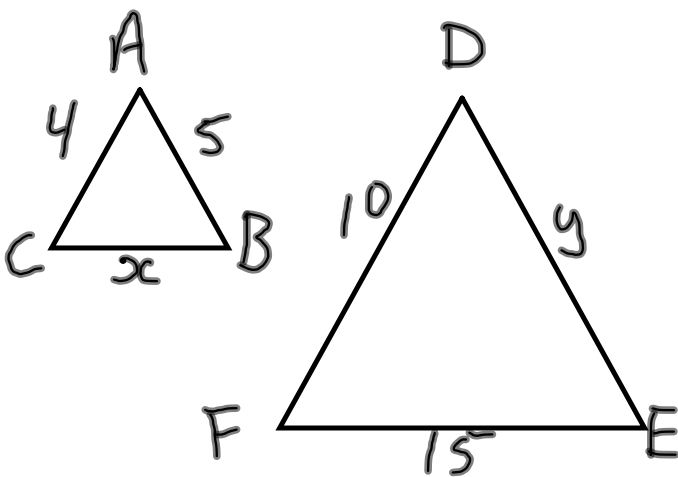


$$\frac{x}{20} = \frac{2}{4}$$

$$4x = 2 \times 20$$

$$4x = 40$$

$$x = 10 \text{ cm}$$

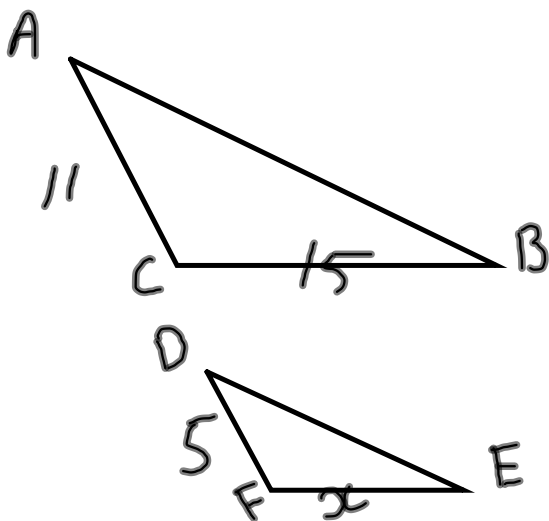


$$\frac{x}{15} = \frac{4}{10}$$

$$10x = 4(15)$$

$$x = \frac{60}{10}$$

$$x = 6$$



$$\frac{x}{15} = \frac{5}{11}$$

$$11x = 75$$

$$x = 6.81$$

More Similar Diagram Examples

