

USING PROPORTIONS

Percent Calculations Practice

Solve the following:

1. 72% of 310

$$(310) \frac{72}{100} = \frac{x}{310} \quad (310)$$

$$223.2 = x$$

2. 21 is 35% of what number?

$$\frac{21}{x} = \frac{35}{100}$$

You can flip the ratios to make it easier to solve for x.

$$(21) \frac{x}{21} = \frac{100}{35} \quad (21)$$

$$x = 60$$

3. 28 out of 70 is what percent?

$$(100) \frac{28}{70} = \frac{x}{100} \quad (100)$$

$$40 = x$$

4. 6% of what number is 2.36?

$$\frac{6}{100} = \frac{2.36}{x}$$

You can flip the ratios to make it easier to solve for x.

$$(2.36) \frac{100}{6} = \frac{x}{2.36} \quad (2.36)$$

$$39.3 = x$$

5. 3.9 is what percent of 10?

$$(100) \frac{3.9}{10} = \frac{x}{100} \quad (100)$$

$$39 = x$$

6. 115% of 12

$$(12) \frac{115}{100} = \frac{x}{12} \quad (12)$$

$$13.8 = 12$$

OR

$$\frac{3.9}{10} = \frac{x}{100}$$

(Note: Arrows indicate multiplying both sides by 100 to solve for x)

7. 60% of what number is 54?

$$\frac{60}{100} = \frac{54}{x}$$

You can flip the ratios to make it easier to solve for x.

$$(54) \frac{100}{60} = \frac{x}{54} \quad (54)$$

$$90 = x$$

8. 17% of 800 is what number?

$$(800) \frac{17}{100} = \frac{x}{800} \quad (800)$$

$$136 = x$$

9. What percent of 72 is 27?

$$(100) \frac{27}{72} = \frac{x}{100} \quad (100)$$

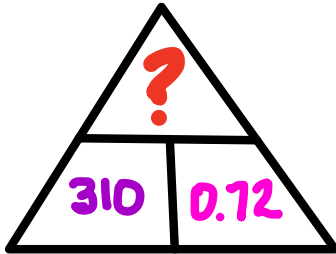
$$37.5 = x$$

TRIANGLE METHOD

Percent Calculations Practice

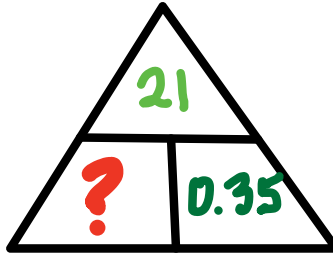
Solve the following:

1. 72% of 310



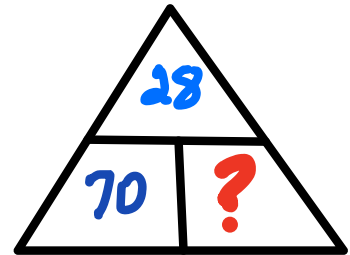
$$310 \cdot 0.72 = 223.2$$

2. 21 is 35% of what number?



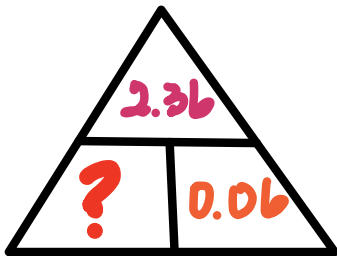
$$21 / 0.35 = 60$$

3. 28 out of 70 is what percent?



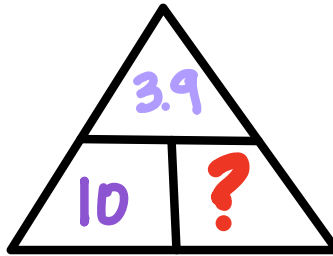
$$28 / 70 = 0.4$$
$$40\%$$

4. 6% of what number is 2.36?



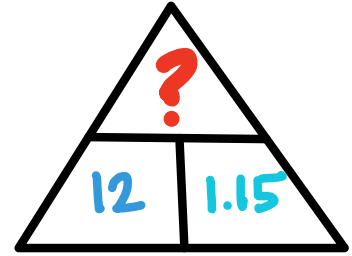
$$2.36 / 0.06 = 39.3$$

5. 3.9 is what percent of 10?



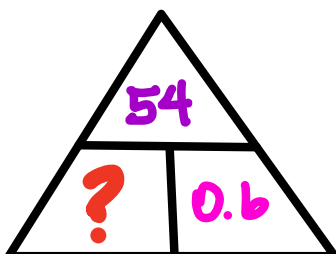
$$3.9 / 10 = 0.39$$
$$39\%$$

6. 115% of 12



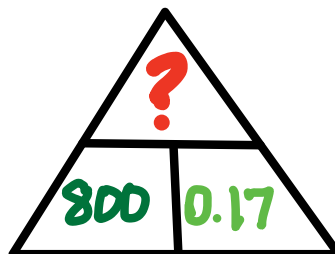
$$12 \cdot 1.15 = 13.8$$

7. 60% of what number is 54?



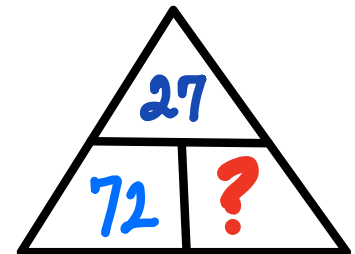
$$54 / 0.6 = 90$$

8. 17% of 800 is what number?



$$800 \cdot 0.17 = 136$$

9. What percent of 72 is 27?



$$27 / 72 = 0.375$$
$$37.5\%$$