

ALL Proportion

Kuta Software - Infinite Algebra I

Name _____

Date _____ Period _____

Percent Problems

Solve each problem. Round to the nearest tenth or tenth of a percent.

- 1) What percent of 29 is 3?

$$\frac{3}{29} = \frac{x}{100}$$

$$\frac{300}{29} = \frac{29x}{29}$$

$$x = 10.3\%$$

- 3) What percent of 55 is 34?

$$\frac{34}{55} = \frac{x}{100}$$

$$\frac{55x}{55} = \frac{3400}{55}$$

$$x = 61.8\%$$

- 5) 28% of 63 is what?

$$\frac{x}{63} = \frac{28}{100}$$

$$\frac{100x}{100} = \frac{1764}{100}$$

$$x = 17.64$$

- 7) 1 is what percent of 52.6?

$$\frac{1}{52.6} = \frac{x}{100}$$

$$\frac{52.6x}{52.6} = \frac{100}{52.6}$$

$$x = 1.9\%$$

- 9) 4% of 73 is what?

$$\frac{x}{73} = \frac{4}{100}$$

$$\frac{100x}{100} = \frac{292}{100}$$

$$x = 2.9$$

- 11) 79% of 67 miles is what?

$$\frac{x}{67} = \frac{79}{100}$$

$$\frac{100x}{100} = \frac{5293}{100}$$

$$x = 52.9$$

- 2) What percent of 33.5 is 21?

$$\frac{21}{33.5} = \frac{x}{100}$$

$$x = 62.68$$

$\times 100$

$$62.7\%$$

- 4) 41% of 78 is what?

$$\frac{x}{78} = \frac{41}{100}$$

$$x = 31.98$$

$$\text{Rounded: } 32$$

- 6) 58% of what is 63.4?

$$\frac{63.4}{x} = \frac{58}{100}$$

$$x = 109.3$$

- 8) What percent of 38 is 15?

$$\frac{15}{38} = \frac{x}{100}$$

$$x = 39$$

$\times 100$

$$39\%$$

- 10) What is 12% of 17.5?

$$\frac{x}{17.5} = \frac{12}{100}$$

$$x = 2.1$$

- 12) What is 59% of 14 m?

$$\frac{x}{14} = \frac{59}{100}$$

$$x = 8.26$$

$$x = 8.3$$

13) 112 minutes is 76% of what?

$$\frac{112}{x} = \frac{76}{100}$$

$$x = 147.4$$

14) What is 16% of 43 minutes?

$$\frac{x}{43} = \frac{16}{100}$$

$$x = 6.9$$

15) \$73 is what percent of \$125?

$$\frac{73}{125} = \frac{x}{100}$$

$$x = 58.4\%$$

16) What is 90% of 130 inches?

$$\frac{x}{130} = \frac{90}{100}$$

$$x = 117$$

17) What is 68% of 118 tons?

$$\frac{x}{118} = \frac{68}{100}$$

$$x = 80.2$$

18) What percent of 180.4 minutes is 25.7 minutes?

$$\frac{25.7}{180.4} = \frac{x}{100}$$

$$x = 14.2\%$$

19) 16 inches is 35% of what?

$$\frac{16}{x} = \frac{35}{100}$$

$$x = 45.7$$

20) 90% of 54.4 hours is what?

$$\frac{x}{54.4} = \frac{90}{100}$$

$$x = 49$$

21) 140 ft is 97% of what?

$$\frac{140}{x} = \frac{97}{100}$$

$$x = 144.3$$

22) What is 170% of 97 tons?

$$\frac{x}{97} = \frac{170}{100}$$

$$x = 164.9$$

23) What is 103% of 127 tons?

$$\frac{x}{127} = \frac{103}{100}$$

$$x = 130.8$$

24) 102 hours is 94% of what?

$$\frac{102}{x} = \frac{94}{100}$$

$$x = 108.5$$