

ALL Equation

Key

Kuta Software - Infinite Algebra 1

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?

$$\frac{3}{29} = \frac{x(29)}{29} \quad \cdot 100 \times 100$$

$$\boxed{x = 10.3\%}$$

2) What percent of 33.5 is 21?

$$\frac{21}{33.5} = \frac{x(33.5)}{33.5} \quad \cdot 100 \times 100$$

$$\boxed{x = 62.7\%}$$

3) What percent of 55 is 34?

$$\frac{34}{55} = \frac{x(55)}{55} \quad \cdot 100 \times 100$$

$$\boxed{x = 61.8\%}$$

4) 41% of 78 is what?

$$x = .41(78) \quad y = 31.98$$

$$\boxed{x = 32}$$

5) 28% of 63 is what?

$$x = .28(63) \quad \boxed{x = 17.64}$$

6) 58% of what is 63.4?

$$\frac{63.4}{.58} = \frac{.58(x)}{.58} \quad \boxed{x = 109.3}$$

7) 1 is what percent of 52.6?

$$\frac{1}{52.6} = \frac{x(52.6)}{52.6}$$

$$\boxed{x = 1.9\%}$$

8) What percent of 38 is 15?

$$\frac{15}{38} = \frac{x(38)}{38} \quad x = .39$$

$$\cdot 100$$

$$\boxed{39\%}$$

10) What is 12% of 17.5?

$$x = .12(17.5) \quad \boxed{x = 2.1}$$

9) 4% of 73 is what?

$$x = .04(73) \quad \boxed{x = 2.9}$$

11) 79% of 67 miles is what?

$$x = .79(67) \quad \boxed{x = 52.9}$$

12) What is 59% of 14 m?

$$x = .59(14) \quad \boxed{x = 8.3}$$

13) 112 minutes is 76% of what?

$$\frac{112}{.76} = \frac{.76(x)}{.76}$$

$$x = 147.4$$

14) What is 16% of 43 minutes?

$$x = .16(43)$$

$$x = 6.9$$

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

$$\frac{73}{125} = \frac{x(125)}{125}$$

$$x = .584$$
$$\times 100$$

$$x = 58.4\%$$

16) What is 90% of 130 inches?

$$x = .90(130)$$

$$x = 117$$

17) What is 68% of 118 tons?

$$x = .68(118)$$

$$x = 80.2$$

18) What percent of 180.4 minutes is 25.7 minutes?

$$\frac{25.7}{180.4} = \frac{x(180.4)}{180.4}$$

$$x = .142$$
$$\times 100$$

$$14.2\%$$

19) 16 inches is 35% of what?

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

$$x = 45.7$$

20) 90% of 54.4 hours is what?

$$x = .90(54.4)$$

$$x = 49$$

21) 140 ft is 97% of what?

$$\frac{140}{.97} = \frac{.97(x)}{.97}$$

$$x = 144.3$$

22) What is 170% of 97 tons?

$$x = 1.70(97)$$

$$x = 164.9$$

23) What is 103% of 127 tons?

$$x = 1.03(127)$$

$$x = 130.8$$

24) 102 hours is 94% of what?

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

$$x = 108.5$$