

Key

PERCENT Practice: Part, Percent and Total (Math 7)

- Show work for every problem and circle final answer.

1) What is 26% of 92? 23.92

$$\frac{x}{92} = \frac{26}{100}$$

2) What percent of 122 is 46.4? 38%

$$\frac{46.4}{122} = \frac{x}{100}$$

3) 8.5% of what is 90? 1,059

$$\frac{90}{x} = \frac{8.5}{100}$$

4) 34 is what percent of 19? 179%

$$\frac{34}{19} = \frac{x}{100}$$

5) 125% of what is 60? 48

$$\frac{60}{x} = \frac{125}{100}$$

6) 70 is what percent of 56? 125%

$$\frac{70}{56} = \frac{x}{100}$$

7) There are 25 students in the class. If 10 of them made an "A" on the last test, what percent made an "A"?

made A's 10 = $\frac{x}{100}$ 40%

total 25

8) 50 students were surveyed. 40% said that they read over the weekend. What part of the group read?

read $\frac{x}{50} = \frac{40}{100}$ 20

total 50

9) Bill's mom told him if he helped her with the yard sale she would give him 40% of the money she made. After the yard sale Bill's mom gave him \$150.50. What was the total amount of money Bill's mom made at the yard sale?

$$\text{Bill's } \frac{150.5}{40} = \frac{\text{total}}{100} \quad \text{\$ } 376.25$$

10) You are buying a book that originally cost \$35. If it is on sale for 30% off, and 7% tax, what is the final price?

$$\text{\$ } 26.22$$

$$\text{disc } \frac{X}{35} = \frac{\text{tax } X}{7} = \frac{100 \text{ org. } 24.5}{100}$$

$$\text{orig. } 35$$

$$\text{\$ } 10.50 \text{ disc. } \rightarrow X = 1.72$$

$$\text{\$ } 24.50 = 24.50 - 10.50 = 14.00$$

$$\text{\$ } 1.72 \text{ tax}$$

11) Ben had a great game. He made 17 of the 20 free throws he tried. What was his free throw percent?

$$\text{shots } \frac{17}{20} = \frac{X}{100} \quad \text{total } 20$$

$$X = 85\%$$

12) 56% of the cards were green. If there were 60 green, how many cards were there in all?

$$\text{green } \frac{60}{100} = \frac{X}{56} \quad \text{total } X$$

$$X = 107 \text{ cards}$$