

Chapter Quiz

$$2 = 200\%$$

$$0.2 = 20\%$$

Find each number. Round to the nearest tenth if necessary.

$$20\% = 0.2$$

1. 20% of 70 $0.2(70)$

2. 28.2% of 92 $0.282(92)$

3. 60% of 68 is what number? $10\% \text{ of } 68 = 6.8$ $6.8(6) =$

4. 25% of 96 is what number? $0.25(96) = 0.25 \times 96$
 $25\% = 0.25$

Estimate.

5. 8% of 40 $10\% \text{ of } 40 = 4$

6. 24% of 60 $25\% \text{ of } 60 \rightarrow \frac{1}{4} \text{ of } 60$

1. 14

2. $25.944 = 25.9$

3. 40.8 $\leftarrow 0.6(68)$

4. 24

5. 4

6. 15

Write an equation for each problem.

Then solve. Round to the nearest tenth if necessary.

7. What number is 8% of 50? $\frac{x}{50} = \frac{8}{100}$ $\frac{50(8)}{100} = \frac{400}{100}$

8. 52 is what percent of 260? $\frac{52}{260} = \frac{x}{100}$ $\frac{52(100)}{260} = \frac{5200}{260}$

9. 30 is 75% of what number? $\frac{30}{x} = \frac{75}{100}$ $\frac{30(100)}{75} = \frac{3000}{75}$

10. What is 15% of 24? $\frac{x}{24} = \frac{15}{100} = \frac{15(24)}{100} = \frac{360}{100}$

11. Tiffany answered 90% of the questions on her math test correctly. There were 50 questions on the test. How many questions did Tiffany answer correctly? $0.9(50)$

12. Jerilyn made 40 treats for her birthday. She gave 4 away to her family before taking the rest to school. What percent did she give away to her family? $\frac{4}{40} = 0.1$

7. 4

8. 20

9. 40

10. 3.6

11. 45

12. 10%