Chapter Quiz

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

1. 20% of 70 $0.20(70)=14$ 10% of $70. = 7.0$ 20% of $70. = 14$

1. **14**

2. 28.2% of 92 $28\% = 0.28$ $28.2\% = 0.282$ $0.282(92)=25.944 \approx$

2. **25.9**

3. 60% of 68 is what number? $0.6(68)=40.8$

3. **40.8**

4. 25% of 96 is what number? $0.25(96)$ $25\%=\frac{1}{4}$ $\frac{1}{4}$ of 96 $\frac{1}{4}$ of $96=48$ $\frac{1}{2}$ of $48=24$

4. **24**

Estimate.

5. 8% of 40 10% of $40 = 4.0$

5. **4**

6. 24% of 60 $24\% \approx 25\% = \frac{1}{4}$ $\frac{1}{4}$ of $60 = 15$

6. **15**

Write an equation for each problem. Then solve. Round to the nearest tenth if necessary.

7. What number is 8% of 50? $PART = 0.08(50) = 4$

7. **4**

8. 52 is what percent of 260? $PERCENT = \frac{52}{260} = 0.20$

8. **20%**

9. 30 is 75% of what number? $WHOLE = \frac{30}{0.75} = 40$ $75\% = \frac{3}{4}$ $\frac{3}{4} = \frac{30}{X}$

9. **40**

10. What is 15% of 24? $PART = 0.15(24) = 3.6$

10. **3.6**

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? $0.90(50) = 45$

11. **45**

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? 4 IS WHAT PERCENT OF 40

12. **10%**

Find the amount of interest erned. $I = PRT$

1. $500, 4%, 2 years $500(0.04)(2) = 20(2) = \$40$ INTEREST

3. $740, 3.25%, 2 years $740(0.0325)(2) = 24.05(2) = \$48.10$ INTEREST

5. $955, 6.75%, $3\frac{1}{4}$ years $955(0.0675)(3.25) = 64.4625(3.25) = \$209.50$ INTEREST