## Accelerated Math 7 Chapter 6 Practice Test

- 1. What number is 34% of 50? 0.34(50)=17 34% OF 100 = 34 3490 OF 50 = 17 2. 88 is 110% of what number? 110 8800 = 80 20 88 = 8 8(10)=80 3. Fifteen of 40 marbles are striped. What percent of the marbles are striped 15. 2.5 37.5
  40. 2.5 100 PERCENT WHOLE 40:31.5 37.5% 4. A survey shows that that 65% of cat owners say their cat always come when they call it. If 15,000 cat owners were surveyed, how many people made this claim? WHAT IS 65% OF 15,000 15000 (0.65)= 9,750 9.750 5. Which equation can be used to find what percent 6 is of 72? 9 = PART WHOLE **B.** (72-6) = 100pA. 72 = 6pC. 6 = 72p**D.** 6(72) = p== 90 6. Fiona deposited \$900 in the bank over 2 years. She earned \$60.00 in simple interest at the end of the 2 years. What was the annual interest rate?  $\frac{60}{900(2)} = \frac{60}{1800} = \frac{6}{180} = \frac{1}{30} = 0.0\overline{3}$ 3.3% 7. Megan's dog weighed 18lbs. when it was one year old. Now the dog weighs 25lbs. What is the INCREASE percent of change in her dog's weight to the nearest hundredth? Ø 7 = 0.38 STEP1) 25-18=7 38.89% 38.889% 8. An investment of \$800 is compounded annually at 6.5%. What is the total amount of money
- after 2 years? SIMPLE INTEREST

800 (0.065)(2) = \$/04.03

COMPOUND INTEREST 1/21 = 800 (0.065) = 52 YR2 > 852 (0.065) = 55.38

107.38 INTEREST 800.00 PRINCIPAL

9. A store makes a profit of \$12 on a hoodie the hoodie? $\frac{12}{X} = \frac{60}{100} \implies \frac{12}{X}$		hat is the selling price of  20 1 PRICE BEFORE PARKUP	20 PRE MARKUP PI +12 MARKUP \$32 SELLING PRICE
day. What is the percent of change from		?	25% DECREASE
be used to determine the sale price of the A. $s = 89.99(0.20)$ Discount 201.  C. $s = 89.99(0.80)$ PAY 8010		ount. Which equation can	C
12. A used laptop computer sells for \$180, v What was the original price of the comp			\$/,200
(STEP 1) 4.5 - 3.0 = 1.5	percent error of the estimat	e to the nearest percent?	50%. ERROR
14. Which fraction would be best to use to f	and 20% of 48 mentally? $C \cdot \frac{1}{3}$	<b>D.</b> $\frac{1}{2}$	A
15. Manny deposits \$275 into an account the into an account that earns 6% simple into years? At those interest rates, how many than Manny?  MANNY -> 275(0.025)(10) = 68.75  USTINA -> 225(0.06)(10) = /35	terest. How much money is years would it be before.	s in each account after 10 fustina has more money	Manny (10 yrs)  \$343.75  Justina (10 yrs)  \$360  Years till Justina has more total money than Manny.  7.55 YEARS