

Chapter 6 Test, Trimester 2    Period: \_\_\_\_    Name: \_\_\_\_\_

**Math 6**

**2/17/2012 (Fri)    You must show all of your work or you will receive no points (2pts each)!**

1. Each of the following values is written as a decimal, a percent, or a fraction. Convert each value so that all three forms are shown. \* Reduce fractions if you can. (Round to the nearest hundredth if necessary.)

<b>Fraction</b>	<b>Decimal</b>	<b>Percent</b>
$\frac{5}{8}$		
	0.72	
		28%

2. Solve. Round to the nearest tenth if necessary.

(a) What is 23% of 140?

(b) What % of 140 is 25?

(c) 42 is 62% of what number?

(d) 130% of what number is 91?

3. Use a proportion to solve each question (Round to the nearest one).

(a) Your class has 26 students which represents 5% of your school's enrollment. Find the number of students in your school.

(b) In a survey, 5 out of 7 people preferred almonds to cashew nuts. What percent of people like almonds?

4. Find the percent of change. (Round to the nearest one if necessary.)

(a) From 24 to 90

(b) From 40 to 18

5. An aquarium holds 8.6 cubic feet of water. The aquarium is filled up further to hold 9.2 cubic feet of water. What is the percent of change for the volume of water inside the aquarium? (Round to the nearest one if necessary.)

6. A retailer buys shirts in bulk at a unit price of \$18. Each shirt is marked up 36% to sell in the store. What is the retail price of the shirt? (Round to the nearest hundredth if necessary.)

7. Rick's clothing store has a 45% off sale on all of its merchandise. How much would a jacket cost that was originally priced at \$27.35? (Round to the nearest hundredth if necessary.)