Math 7
Chapter 6 Test - Percents
REVIEW WORKSHEET #1

		DN14430.			
Name_	KEY				
Date	. /	Score			

Write each as a percent.

Write each as a **decimal** and **reduced fraction**.

Write the fraction as a **decimal** and as a **percent**.

9. 
$$\frac{3}{16}$$
 0.1875 18.75% 10.  $\frac{31}{80}$  0.3875 38.75%

12. 
$$\frac{7}{140}$$
 0.65 57.

Solve each problem using the **equation method**. Please show the **equations and work** for each problem in the space provided.

13. What number is 45% of 580?

Solve each problem using the **proportion method**. Please show the **proportion and work** for each problem in the space provided.

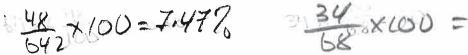
15. 60% of what number is 348?

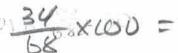


16. 320% of 69 is what number?

Solve each of the remaining problems using either the equation or the proportion method. Be sure to show your equation or proportion in the space provided.

17. 48 is what percent of 642?





19.	110%	of	124	is	what	number
		_				

Find the percent of change (rounded to the nearest tenth of a percent). Show all proportions or equations.



- 21. 125 is increased to 210.
- 22. 50 is decreased to 14.
- 23. 45 is increased to 180.



24. Mrs. Rogers sold 49 out of 78 crafts at the fair. What percent of her crafts did she sell? Show your proportion or equation set-up.

25. Bill bought a shirt for \$35.80 plus he paid an additional 7% in sales tax. What was the final cost? Show your proportion or equation set-up.

\$35.80 
$$\times \frac{100}{100} = 40.506$$
 \$38.31

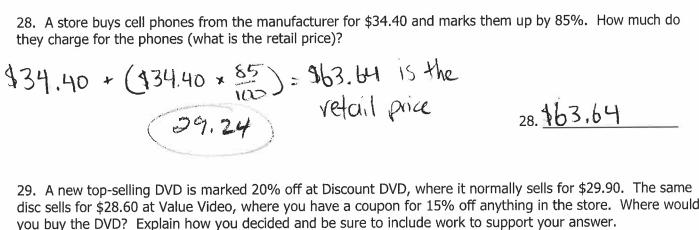
26. Kathy bought a pair of jeans on sale for 30% off of the regular price. If the jeans regularly cost \$75.00. How much did she pay? Show your proportion or equation set-up.

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$$475.00 + \frac{30}{100}$$
 $475.00 - \frac{4}{100}$ 
 $450.5$ 

27. There are 625 students at Median Middle School. If there 8% of the students were absent on Tuesday, how many students were absent?

(625 
$$\times$$
 100) = 50 students were absent



30. You put \$500 in the bank, where it earns 1.5% simple interest each year. How long until your money will triple?  $$500 \times 3 = $1500$ 

## 31. **25% off Sale**

A) In a sale, all the prices are reduced by 25%. Jane sees a jacket before the sale. What is the sale price? 150 x 0.25 = 37,5 150-37,5 = \$112.50

In the second week of the sale, the prices are reduced by 25% more.

In the third week, by 25% more.

In the fourth week, the prices are again reduced by 25% more.

B) Jane thinks this will mean that the prices will be reduced to \$0 after the four reductions because  $4 \times 25\% = 100\%$ . Explain why Jane is wrong.

C) If Jane is able to buy her jacket after the four reductions.

ane is able to buy her jacket after the four reductions.

a. How much will she have to pay? 
$$112.5 \times 0.75 = 63.28 \times 0.75$$

b. What percentage of the original price does she save?

$$150-47.46$$

$$= 102.54 \times 600 = 68.36\%$$

$$150$$

## T-shirt Sale

## Any 3 T-shirts for \$14.50



A) Tom bought these three T-shirts at the sale price of \$14.50. How much money did he save compared to the original total price of the T-shirts?

B) What percentage of the total price did Tom save?