**Percent of a Number Notes Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

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When you are finding

the percent of a number

 you can use the proportion:

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**#1:** Find 15% of 40 Check:

**#2:** 12 is 40% of what number? Check:

**#3:** What percent of 150 is 12? Check:

YOU TRY:

1) 7 is 20% of what number? Check:

2) 45% of what number is 18? Check:

3) Find 30% of 66. Check:

WORD PROBLEMS!!!

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When you have word

Problems that use percents

 you can use the proportion:

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**#1:** The Eagles won 70% of the 40 games that they played. How many games did they win?

**#2:** Thirty-five of 40 students surveyed said that they favored recycling. What percent of those surveyed favored recycling?

**#3:** Candidate Carson received 2,310 votes, 55% of the total. How many total votes were cast?

**You try**:

1) To pass a test, Kristen had to get 75% of the answers correct. If there were 84 questions on the test, how many questions would Kristen need to answer correctly to pass the test?

2) Carla has 22% of her paycheck taken for taxes. If the amount taken for taxes is $136.40, what is the amount of Carla’s paycheck *before* taxes are taken out?