Name: _____   *Date: _____*

Show your work in order to receive full credit.

Solve the problem using the percent formula, and verify your answer in full sentence. $\frac{(is)\,Part}{(of)\,Whole} = \frac{\%}{100}$.

1. In Maria's math class, 20% of the students earned an A on a test. If there were 30 students in the class, how many got an A?	2. In Miss Dibbles' ELA class, 70% of the students completed an essay by the due date. There are 30 students in Miss Dibble's class. How many completed the essay by the due date?
3. Mr. Brown is making admission tickets to the middle schools dance. So far she has made 112 tickets, and her plan is to make 320 tickets. What percent of the admissions tickets has Haley produced so far?	4. Mr. Grant's soccer team won 75% of 120 games last season. How many games did they win?
5. Maya spent 40% of her savings to pay for a bicycle that cost her $85. a. How much money was in her savings to begin with? b. How much money does she have left in her savings after buying the bicycle?	6. On a recent survey, 60% of those surveyed indicated that they preferred walking to running. a. If 540 people preferred walking, how many people were surveyed? b. How many people preferred running?
7. 8 is what percent of 20? **Show all work!**	8. 18 is 40% of what number? **Show all work!**

9. Convert each fraction or decimal to a percent. • 3/10 • 4/9 • 0.43 • 0.01 • 23.5/100	10. Write each percent as a fraction in simplest form and as a decimal. **Show all work!** • 80% Fraction: _____ Decimal: _____ • 8% Fraction: _____ Decimal: _____ • 15% Fraction: _____ Decimal: _____
Find a percent of a number using the proportion method. 1. Find 22% of 83 2. Find 6% of 30	3. 6 is what percent of 15? 4. What percent of 20 is 7? 5. Find what percent 60 is of 25.