

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Aim: Solving Word Problems Using the Percent Equation



Write a percent equation and solve.

- 1.) What is 30% of 25?      2.) What percent is 17 out of 24?
- 3.) 25 is what percent of 36?

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- 4.) Josh made 17 out of 20 shots he took. What percent of his shots did he make?



- 5.) It rained 80% of the time while Ernie was on vacation. If it rained for 16 days, how long was the vacation?



Most percent word problems can be solved using the percent equation:

$$\text{Part} = \% \times \text{Whole}$$

Example: Allison invited 16% of her class to her birthday party. If she invited 8 classmates to her party, how many students are in the class.



1.) In a sample of 4000 people, 48 cannot read. What percent is this?



2.) The current price of gold is 90% of last year's price. How much would gold be worth now if last year it was worth \$950.00?



3.) James ran 60% of his usual distance. If he ran 3 miles, what was his usual distance?



4.) This year 90 students are in the play. This is 150% of those involved last year. How many students were involved in last year's play?



5.) On a test, a student received 67 points out of a possible 79 points. What was the student's percent score?



6.) A baseball player got 129 hits in 327 times at bat. What percent of the time did he get a hit?



7.) A lawyer was paid  $8\frac{3}{4}\%$  of a settlement as his fee. If the settlement was \$840,000, how much did the lawyer earn?



8.) Last year, the 2005 Toyota Camry cost \$19,525. This is 120% of this year's price. What does the car cost this year?

