Worksheets

Name:

Dete

Date: Period Percent Word Problems: What Number is Missing? WP 1 Instructions: For each of these word problems involving percents, figure out which number is missing. Is it the Part, the Total or the Percent? Circle the missing number on the equation below the problem. You do NOT need to actually solve these word problems. A coconut tree has 12 coconuts on A rain barrel can hold 50 gallons of 2 it. If 25% of the coconuts fell to the water. If there are 32 gallons inside of it, what percent of the barrel is full? ground, how many fell? Percent Percent 100 100 Total One week, seventy-two percent of A worker has installed 65% of the tiles 3 4 the animals that came to a veterinary for a tile floor. If they installed 120 tiles hospital were dogs. If there were 230 so far, how many tiles are there total? animals total, how many were dogs?  $\frac{Part}{=}$  =  $\frac{Percent}{Percent}$ Percent Total 100 Total What percent of your friends like John has walked 15% of the way 5 6 home from school. If he has walked playing dodge ball if 5 out of 8 of 200 meters so far, how far does he them like playing dodge ball? walk home from school? Part Part Percent Percent Total 100 Total 100 Each day, a bakery makes 50 loaves of There are 82 students in a high school 8 7 wheat bread. If that amount is 20% band. If 31 of those students play of all the bread that they bake, how brass instruments, what percent play many loaves do they bake each day? brass? = <u>Percent</u>  $\frac{Part}{Part} = \frac{Percent}{Part}$ Part Total 100 Total 100 An Olympic team won 20 medals. How many pizzas does a restaurant 9 If 30% of the medals were gold, how make each night if 25% of the total is many gold medals did they win? equal to 90 pizzas? Part Percent Part Percent 100 Total Total 100

© 2013 Math Plus Motion, LLC



## What Percent Is It? - Equivalent Fraction Method WP 2 **Instructions:** Find the percent by converting to an equivalent fraction that has 100 as the bottom number, just like you learned in the video. 4 out of 25 is what percent? 10 out of 50 is what percent? 1 2 $\frac{4}{25} \times \frac{4}{4} = \frac{16}{100} = 16\%$ What percent is 11 out of 20? 4 What percent is 30 out of 200? 3 3 out of 5 is what percent? 9 out of 10 is what percent? 5 6 What percent is 15 out of 500? 7 8 What percent is 7 out of 5? 10 9 2.5 out of 10 is what percent? 1.5 out of 25 is what percent?



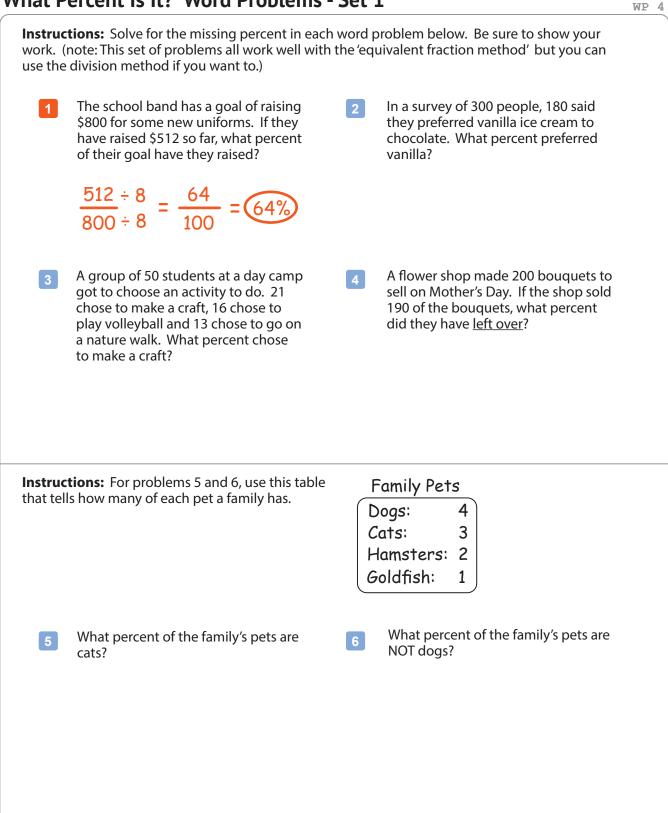
## What Percent Is It? - Division Method

Instructions: The formula for finding a percent by the division method is shown below. First, divide the top number by the bottom number to get the decimal value of the fraction. Then, just move the decimal point two places to the right (which is exactly the same as multiplying by 100). You can use a calculator to do the division if you need to. Some percents will still have decimal digits (like 12.5%) Formula: **Example** 6 out of 8 is what percent? divide  $\frac{6}{8} = 0.75$  $\frac{\text{Part}}{\text{Part}} \times 100 = \text{Percent}$ 0.75 x 100 = (75 then multiply by 100 (or move the decimal point) 6 out of 30 is what percent? What percent is 8 out of 32? 2 1 45 out of 60 is what percent? 3 9 out of 25 is what percent? 4 What percent is 3 out of 8? 6 What percent is 7 out of 8? 5 5 out of 15 is what percent? 5 out of 16 is what percent? 7 8

WP 3



## What Percent Is It? Word Problems - Set 1



© 2013 Math Plus Motion, LLC