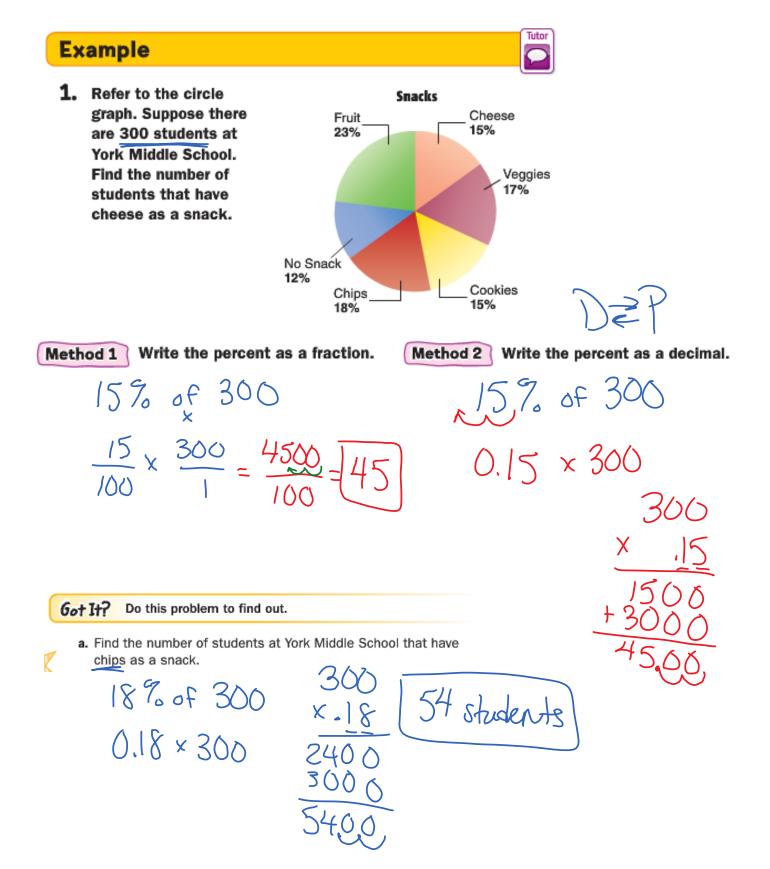
X

You can use fractions and decimals to find the percent of a number. To find the percent of a number, write the percent as a fraction with a denominator of 100. Then multiply the fraction by the number.

Date: \_



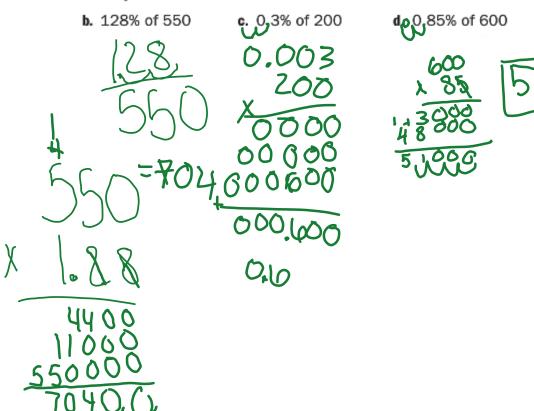
# Percents Greater Than 100% and Less Than 1%



Examples		) = 100 10,000
2. Find 145% of 320. < 464	~ 200% ♂ 70=140 <b>3.</b> Find 220% of 65.	<b>4.</b> Find 0.25% of 58.
145% of 320	220,9° of 65	0, 25% of 58
1.45 × 320	2.2×65	0.00 <mark>25 × 58</mark>
320 = [464]	65 =143	\$25
×1.45	130	×58 0.145
1600	1300	200
12800	143 x	1250
<u>+ 32000</u>		NALSO,
76400		

## Got It? Do these problems to find out.

#### Find the percent of each number.



Tutor Example 5. In a recent state Special Olympics meet, Franklin County sent a team of 70 players. Twenty percent of the team competed in soccer. How many athletes competed in soccer? 20% = 0.20Write 20% as a decimal. 20% of  $70 = 0.2 \times 70$ Write the multiplication problem. = 14Multiply. So, 14 team members were soccer players. Got It? Do this problem to find out. e. In the same meet, 15% of the team from Delaware County competed in tennis. If there were 20 members on the team e. how many competed in tennis? 157= 15 X **Guided Practice** Find the percent of each number. (Examples 1-4) **2.** 0,55% of 220 = **1.** 32% of  $60 = \sqrt{9.7}$ **3.** 275% of 4 = Show your work. 52,°100F 60 0000 .32×60 4. Troy wants to buy a greey of his favorite ML team The jusey is 30% off the original price. If the original price of the jersey is \$35, what is the amount Troy will save? (Scarple 5) \$10.50 105

## Real-World Percent Trick = Use 10%!

Percents are everywhere and very soon you'll find yourself in situations where you have to find a percent of a number to determine important information and amounts, such as discounts and percents. One trick you can use is the 10% trick! Here's how it works:

<u>Example</u>: Mrs. Galante wants to buy a new winter coat. The original price is \$120, and Mrs. Galante has a coupon for 40% percent off. How much money will she save with the coupon?

### <u>Step 1:</u> Find 10% of the number by dividing by 10.

Step 2: Multiply this new amount by the number of times 10 goes into the original percent.

Now you try! Use the 10% Trick to find the following amounts!

1) 60% of 80

2) 20% of 22

3) 15% of 300