Find 28% of 25

Remember that "of" means to multiply.

Two ways to solve a problem like this...

1st Way:

Change the percent to a decimal and multiply.

.28

X 25

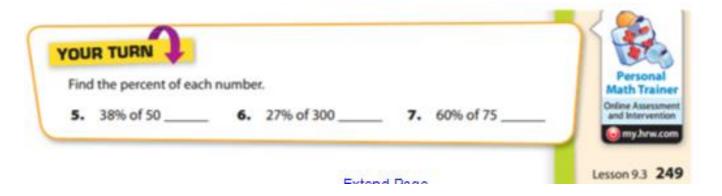
140

+ 560

7.00 \leftarrow Don't forget to put the decimal in your answer in the correct place!

2nd way:

Change the percent to a fraction and multiply.



Mrs. Potts wants to buy her son Michael a Playstation and games for Christmas. She can spend \$500 total. Of that money, she can spend \$150 on games. What percent of the money can she spend on games?

Step 1: Set up a ratio of part to whole

Part

<u>150</u>

Whole

500

Step 2:

Write a proportion comparing it to 100.

$$\frac{150}{500} = \frac{?}{100}$$

Step 3: Find how to go from one number of the ratio to the other side

To go from 500 to 100, you divide by 5.

Step 4: multiply or divide by that same amount to find the top number Whatever you do to the bottom, you also have to do to the top. $150 \div 5 = 30$

Step 5: use that ratio to name the percent and/or decimal

YOUR	TURN	4

9. Out of the 25 students in Mrs. Green's class, 19 have a pet. What percent of the students in Mrs. Green's class have a pet?

Nine trees in the park are maple trees. Those nine trees make up 36% of all the trees in the park. How many total trees are in the park?

Percent means "per 100" so 36% is 36 out of 100. That can be written as a fraction. However, there aren't 36 Maple trees. There's only 9. So we have to set up a ratio to find out how many trees there are.

To go from 36 to 9, you divide by 4. So, to go from 100 to the missing number you divide by 4 also. 100 divided by 4 = 25.

