

Name: _____

CCM6 Word Problems with Percents

Percent	ratio that compares a number to 100
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Remember:	$\frac{\%}{100} = \frac{\text{is \#}}{\text{of \#}}$ OR $\frac{\%}{100} = \frac{\text{Part}}{\text{Whole}}$
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Steps for Solving Word Problems:	<ol style="list-style-type: none">1. Circle key words2. Set up an equation or proportion3. Solve and make sure you answer the question being asked.4. Don't forget your units!
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Solve:

1. Michelle has gone for a walk. She has walked 6 miles so far. This is 30% of the total distance. What is the total number of miles she will walk?
20 miles
2. Hector placed an order with a bakery for pastries. The baker has completed 37.5% of the order after baking 81 pastries. How many pastries did Hector order?
216 pastries
3. The frozen yogurt stand in the mall sells 420 yogurt cups per day. Forty-five percent of the cups are sold to middle school students. How many yogurt cups are sold to middle schoolers each day? **189 cups**
4. The seventh grade students at your middle school are going on a field trip. As of today, 85% of the 280 students have turned in their permission slips. How many students have turned in their permission slips? **238 students**

You Try:

1. The Smith family spent 28% of their monthly income for housing. If the family's monthly income is \$3,200, how much did they spend for housing? **\$896**
2. George saved 35% of the money he earned. If George earned \$260, how much did he save? **\$91**
3. Brenda earned \$120 per week working at a part-time job. This is only 78% of what she earned. What is the full amount of Brenda's check? **\$153.85**
4. Jerry took a test with a total of 50 questions. His teacher told him that he must answer 90% of the questions correctly to get an A. How many questions does he need to answer correctly to earn an A? **45 questions**