Percent Bar Models: Real World Problems

For each problem below, model the solution using the percent bar.

1. There are 30 students Mr. Robert’s homeroom. 45% of the students ride the bus. How many students ride the bus?

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1. Helena makes $500 per week, and she puts 15% of her paycheck in savings. How much money does she put in savings?

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1. There are 175 students in the cafeteria, 40% of them brought their own lunch. How many students brought their lunch?

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1. A television program is 60 minutes long, and 20% of the time is taken up by commercials. How many minutes of commercials are there?

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1. Mary has read 75% of her 150 page book. How many pages has she read?

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1. A passing score on the math test is 70%. If there are 40 questions on the test, how many do you have to get correct to pass?

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1. The gym has a capacity of 600 people. If the gym is at 90% capacity, how many people are in the gym?

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1. When you are born, about 75% of your weight is water. If a newborn weighs 8 pounds, how many of those pounds are water?

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