Math Antics®
Worksheets

Name: _____

Date: _____

Period _____

Finding a Percent of a Number (Using Fraction Form)

FPN 1

Instructions: Use the fraction form of the percent to solve each problem.

1 What is 30% of 20?

$$30\% \times 20$$

$$\frac{30}{100} \times \frac{20}{1} = \frac{600}{100} = \boxed{6}$$

2 What is 40% of 10?

3 What is 60% of 30?

4 What is 70% of 20?

5 What is 10% of 50?

6 What is 40% of 50?

7 What is 80% of 30?

8 What is 30% of 30?

9 What is 90% of 40?

10 What is 15% of 20?

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Finding a Percent of a Number (Using Fraction Form) - Set 2

Instructions: Use the fraction form of the percent to solve each problem.

1 What is 25% of 40?

$$25\% \times 40$$

$$\frac{25}{100} \times \frac{40}{1} = \frac{10\cancel{00}}{1\cancel{00}} = \boxed{10}$$

2 What is 10% of 30?

3 What is 15% of 20?

4 What is 12% of 50?

5 What is 5% of 80?

6 What is 7% of 400?

7 What is 2% of 150?

8 What is 6% of 150?

9 What is 25% of 200?

10 What is 25% of 4?

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Finding a Percent of a Number (Using Decimal Form)

Instructions: Use the decimal form of the percent to solve each problem. You can use a **calculator** to do the decimal multiplication. Your answers may be decimal numbers.

1 What is 22% of 80?

22% × 80

0.22 × 80 = (17.6)

2 What is 14% of 30?

3 What is 36% of 45?

4 What is 55% of 50?

5 What is 85% of 80?

6 What is 45% of 30?

7 What is 14% of 25?

8 What is 33% of 140?

9 What is 39% of 110?

10 What is 95% of 220?

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Finding a Percent of a Number: Word Problems

Instructions: Use what you learned about finding a percent of a number to solve each word problem. You can use either the fraction form or the decimal form of the percent, depending on which seems easier. Use a calculator to do decimal multiplication if you need to.

1 A pie shop bakes 500 pies each week. If 40 percent of those pies are apple, how many pies are apple?

$$40\% \times 500$$

$$\frac{40}{100} \times \frac{500}{1} = \frac{20000}{100} = \boxed{200}$$

or using the decimal form:

$$0.40 \times 500 = \boxed{200}$$

2 If 25 percent of your classmates have cats, and your class has 20 students, how many students have cats?

3 Last week, John ran 10 miles. If John runs 35 percent farther this week, then how many *more* miles did he run this week?

4 At Summer camp, 62 percent of the campers decide they want to go swimming instead of hiking. If there are 200 kids at the camp, how many go swimming?

5 Mary's current record for her swimming race is 120 seconds. If she can reduce her time by 5%, how many seconds *less* will that be?

6 If the school supplies you need cost $25, but you have to pay 7% extra in sales tax, how much *extra* will you have to pay?