

## Problem Solving with Percents

1) Martha put 20% of her paycheck in the bank. If her paycheck was \$150, how much did she put in the bank?

a) Should your answer be MORE or LESS than \$150?

b) Solution = \_\_\_\_\_

c) Write your answer in a complete sentence:

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2) Ethan got 90% of the problems correct on a quiz. If he got 27 problems correct, how many problems were on the quiz?

a) Should your answer be MORE or LESS than 27?

b) Solution = \_\_\_\_\_

c) Write your answer in a complete sentence:

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3) Whitney bought a pair of jeans that cost \$25. If tax is 5%, how much tax will she pay?

a) Should your answer be MORE or LESS than \$25?

b) Solution = \_\_\_\_\_

c) Write your answer in a complete sentence:

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4) Ellis' bill at Red Lobster was \$18.50. If he gives his server a 20% tip, how much tip will he leave?

a) Should your answer be MORE or LESS than \$18.50?

b) Solution = \_\_\_\_\_

c) Write your answer in a complete sentence:

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## Problem Solving with Percents

1) Martha put 20% of her paycheck in the bank. If her paycheck was \$150, how much did she put in the bank?

a) Should your answer be MORE or LESS than \$150?

b) Solution = \$30

c) Write your answer in a complete sentence:

Martha put \$30 in the bank.

$$\frac{20}{100} = \frac{x}{150}$$

$$100x = 3000$$
$$x = 30$$

2) Ethan got 90% of the problems correct on a quiz. If he got 27 problems correct, how many problems were on the quiz?

a) Should your answer be MORE or LESS than 27?

b) Solution = 30

c) Write your answer in a complete sentence:

There were 30 total problems on Ethan's quiz.

$$\frac{90}{100} = \frac{27}{x}$$

$$\frac{9 \times 3}{10} = \frac{27}{x}$$

$$x = 30$$

3) Whitney bought a pair of jeans that cost \$25. If tax is 5%, how much tax will she pay?

a) Should your answer be MORE or LESS than \$25?

b) Solution = \$1.25

c) Write your answer in a complete sentence:

The tax is \$1.25.

$$\frac{5}{100} = \frac{x}{25}$$

$$\div 4$$

4) Ellis' bill at Red Lobster was \$18.50. If he gives his server a 20% tip, how much tip will he leave?

a) Should your answer be MORE or LESS than \$18.50?

b) Solution = \$3.70

c) Write your answer in a complete sentence:

Ellis left a tip of \$3.70.

$$\frac{20}{100} = \frac{x}{18.50}$$

$$100x = 370$$

$$x = 3.70$$