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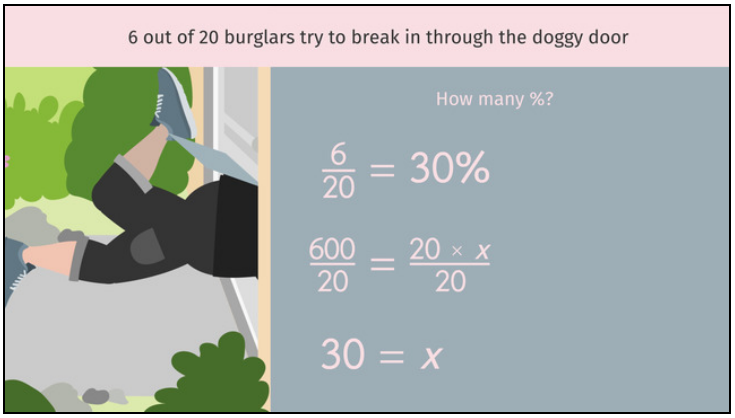
Percent: Word Problems



1 **Explain the meaning of percent.**

2 Determine how many burglars take a selfie.

3 Identify the correct percent equation corresponding to the different word problems.

4 Analyze each situation and determine the given information.

5 Calculate the new price of the items.

6 Determine the unknown value of each example.

\+ with lots of tips, answer keys, and detailed answer explanations for all of the problems.

Explain the meaning of percent.

Choose the correct statements.

- [ ] A: $5\ \%$ means 5 over 10.
- [ ] B: $5\ \%$ means 5 over 100.
- [ ] C: $5\ \%$ means 5 over 1000.
- [ ] D: To change a decimal number into percent, we multiply by 100 then write a $\%$ sign behind it: $0.01 = 1\ \%$.
- [ ] E: To transform decimals into percent we divide by 100 then write a $\%$ sign behind it: $0.01 = 0.0001\ \%$
- [ ] F: To change a decimal number into percent we add 100 then write a $\%$ sign behind it: $0.1 = 100.01\%$.

Hints for solving these problems

1 of 6

Explain the meaning of percent.

Hint #1

Do you know how many cents are in one dollar? Right: 100.

Hint #2

To change a percent into a decimal number, we have to divide. To change a decimal to a percent, we have to multiply.

Hint #3

Remember $0.01 = \frac{1}{100}$.

Answers and detailed answer explanations for these problems

1 of 6

Explain the meaning of percent.

Answer key: B, D

It's important to understand the meaning of percent.

Percent means out of 100. For example: $5\ \% = \frac{5}{100} = 0.05$.

We can change decimals into percent by multiplying by 100 then writing a $\%$ sign behind it:

$0.05 = (0.05 \times 100)\% = 5\ \%$ or $0.01 = (0.01 \times 100)\% = 1\ \%$.