

Name _____

Percentages of Integers (Using Decimals) Guided Lesson Explanation

For all of these problems:

Step 1) Find the integer that we are looking for a percentage of.

Step 2) Convert the percentage to a decimal by moving the decimal 2 places to the left.

Step 3) Multiply the integer by the decimal value. Round, if necessary.

1.

Step 1) What is 12% of 296?

Step 2) $12\% = 0.12$

Step 3) $0.12 \times 296 = 35.52$ (rounded up = 36) Final answer = 36

2. What is 84% of 84?

Step 1) What is 84% of 84?

Step 2) $84\% = 0.84$

Step 3) $0.84 \times 84 = 70.56$ (rounded up = 71) Final answer = 71

3. The tricky part is to find step 1. We are looking for the number of perfectly rounded bottle caps. 23% are not rounded. That means that 77% ($100\% - 23\%$) are perfectly rounded. There 412 caps.

Step 1) What is 77% of 412?

Step 2) $77\% = 0.77$

Step 3) $0.77 \times 412 = 317.24$ Final answer = 317

