Ch.2 L.7
Pg.147
6.RP.3c

Finding Percents of a Number

You can use Fractions or Decimals to find the Percent of a Number.

*ALWAYS Remember:
Write your Proportion As Follows...

$$\frac{\text{Percent}(\%)}{100} = \frac{\text{is (Part)}}{\text{of (whole)}}$$

Example 1: Find 25% of 260

option 1: Fractions in Simplest form

$$\frac{25}{100} = \frac{x}{260} \rightarrow \frac{1}{4} = \frac{x}{260}$$

*Cross Multiply (1×260) & Divide ($260 \div 4$)

$$4\overline{)260} \quad 65$$
$$-24\downarrow$$
$$020$$
$$-20$$
$$00$$

$= 65$

Option 2: Multiply Decimals

$$\frac{25}{100} = \frac{x}{260} \rightarrow 0.25 \times 260 = 65$$

260 | 0
0.25 | 2 dp
1300 | 2 dp
5200
65.00

*Change 25% to a Decimal

Example 2: Find 175% of 56

option 1:

$$\frac{175}{100} = \frac{x}{56} \rightarrow \frac{7}{4} = \frac{x}{56}$$

*Cross Multiply (7×56) & Divide ($392 \div 4$)

$= 98$

$$4\overline{)392} \quad 98$$
$$-36$$
$$32$$

Option 2:

1.75×56

*Change 175% in to a decimal (move decimal 2 places to the left.)

1.75 | 2
×56 | +0
1050 | 2 dp
+8750
9800.