

Name _____

Date _____

Rounding With Basic Math Operations Lesson



Problem: Round the values to their highest place value and then find their difference.

$$845 - 47$$

Explanation:

This problem has two steps based on the directions.

Step 1) We need to first round the values to their highest place value.

a) 845 will be rounded to its highest place value (845; hundreds).

To round 845 to the nearest hundred we look at the place value below the hundreds, if it is 5 or higher we round up. If the place value below contains an integer of 4 or less, we round down. The tens place consists of a 4 (845). This means that we round down.

845 rounded to the nearest hundred is therefore 800.

b) 47 will be rounded to its highest place value (47; tens).

To round 47 to the nearest tens place we look at the place value below the tens, if it is 5 or higher we round up. If the place value below contains an integer of 4 or less, we round down. The ones place consists of a 7 (47). This means that we round up.

47 rounded to the nearest tens place is therefore 50.

Step 2) Restate and solve the problem with the rounded values.

$$845 - 47 \text{ rounded (using what we did above)} = 800 - 50$$

$$800 - 50 = 750$$

