LESSON 9 DECIMALS

OBJECTIVES:

Understand decimal settings on a calculator

Understand floating decimals

Understand rounding

Calculate problems with decimals

Decimals are used in many areas of business. One of the most common uses is for dollars and cents, where two decimal places are used. The decimal point can be set at a specific setting or allowed to float (F setting) to whatever length is required.

To round efficiently, the decimal point will be rounded on the number to the right of the last decimal setting. For example, if you want to round to two decimal places, rounding will occur on the number in the third decimal place. If that number is five (5) or above, the number in the second decimal place will be rounded up. If that number is four (4) or less, the number will remain the same.

Examples:

$$2.33$$

$$\underline{x \ 0.7}$$

$$1.631 = 1.63$$
Leave 2^{nd} decimal as is if third decimal is 4 or less.

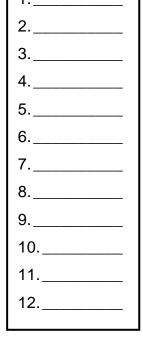
- 1. Find the Decimal Rounding Selector (5/4) button.
- 2. Set the Decimal Rounding Selector on the 5/4 setting, which turns rounding on.
- 3. Find the Decimal Selector.
- 4. Set the Decimal Selector for 2 decimal places.
- 5. Now when you make calculations there will be two decimal places and the calculator will automatically round to the 2nd decimal place.

Exercise 1: Perform the calculations below.

$$1.2008 + 3.4 =$$

$$3.452 + 3.87 =$$

Exercise 2: Set your decimal selector on floating and perform the calculations below. Manually round all answers to 2 decimal places.



2



Lesson Review 9: Set your decimal selector on floating and perform the calculations below. Manually round all answers to 2 decimal places. When you are comfortable using decimals, continue with Lesson 10.

$$7.34 - 2.38 =$$



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