

Name _____

Date _____

Rounding Decimals, Whole Numbers, and Money Guided Lesson Explanation

All of these problems follow the basic steps.

Step 1: Identify the place value that is in question.

Step 2: Look at the place value below that value.

A) If that value is 0-4, you round the place value in question down.

B) If that value is 5 or up, you round the place value in question up.

Step 3: Make all the values below the place you rounded, zero.

1. Round 211.682 to the nearest hundredths place.

Step 1)

2	1	1	.	6	8	2
hundreds	tens	ones		tenths	hundredths	thousandths



Step 2) This value (2) tells us to round down, meaning leave the hundredths value as is (8).

Step 3) Make lower places zero: 211.682 becomes 211.680

2. Round 782 to the nearest tens place.

Step 1)

7	8	2
hundreds	tens	ones



Step 2) This value (2) tells us to round down, meaning leave the tens value as is (8).

Step 3) Make lower places zero: 782 becomes 780.



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3. Round \$36.71 to the nearest dollar.

There is a slight difference from the other problems because we are working with money values. The places are named slightly differently. We need to identify the dollar place value.

Step 1)

\$ 3 6 . 7 1
 ten dollars dollars tens of cents cents



Step 2) This value (7) tells us to round up (greater than 5), meaning to increase the dollar value by one to 7.

Step 3) Make lower places zero: \$37.71 becomes \$37.00.

