

Name _____

Date _____

Rounding Decimals Guided Lesson Explanation



All of the problems presented follow the same process:

Step 1) Identify the place value in the question.

Step 2) Look to the decimal place to the right of that value. If the value is 5 or greater, round up. Otherwise, leave the value as is.

Step 3) Remove all values to the right of the value in question.

Problem #1 - 587.739 (nearest tenths place)

Step #1:

5	8	7	.	7	3	9
Hundreds	Tens	Ones		Tenths	Hundredths	Thousandths



Step #2: The hundredths place (3) is less than 5. The tenths value stays the same. (587.739 = 587.739)

Step #3: Remove all decimals to the right of the tenths. 587.739

Final answer : 587.7



Name _____

Date _____

Problem #2: \$987.49 (nearest dollar)

Rounding to the nearest dollar is the same as asking us to round to the nearest ones place.

\$987.49



Looking at digit to the right of the ones place (4), we see that we will not round up. We will drop all the places to the right on the ones (dollars) column.

\$987

Problem #3: 8,751.8974 (nearest thousandths place)

8	,	7	5	1	.	8	9	7	4
Thousands		Hundreds	Tens	Ones		Tenths	Hundredths	Thousandths	Ten-Thousandths



The Ten-Thousandths value is less than 5. We don't round up, we leave the thousandths value unchanged and remove everything to the right of that place.

Answer: 8,751.897

