

Name _____

Date _____

Rounding Decimals Step By Step Lesson

Problem #1 - Round 4.285 to the nearest whole number.



Problem #2 - Round 39.17345 to the nearest ten-thousandths place.

Problem #1 Explained:

Rounding to the nearest whole number is the same thing as rounding to the nearest ones place. When we want to round anything we look at the place value they are asking us to round to first. In this case, the ones place.

↓ *ones place*
4.285

The digit to the right of that place value determines if the ones place value rounds up or stays the same. If the digit to the right is 5 or greater, we round the number up. If the digit is 4 or less, the number stays the same.

↓ *place to the right*
4.285

The value (2) is 4 or less this means that the ones place stays the same and remove all remaining digits behind in. 4.~~285~~

4.285 round to the nearest whole number is 4.



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Problem #2 Explained:

Step 1) Identify the place value they are asking about.

3	9	.	1	7	3	4	5
Tens	Ones		Tenths	Hundredths	Thousandths	Ten- Thousandths	Hundred- Thousandths

Step 2) We look at the place value to the right of the ten-thousandths. If it is 5 or greater, we round up. Otherwise, the ten-thousandths place stays the same.

3	9	.	1	7	3	4	5
Tens	Ones		Tenths	Hundredths	Thousandths	Ten- Thousandths	Hundred- Thousandths

The value is 5, so we round up and remove all decimals behind that place.

$$39.1734\overset{\uparrow}{5} = 39.1735$$

