

Name: ..... Class: .....

Round decimals

Review:

To round decimals, find your place and check the next digit. If the digit is greater than or equal to five, add one more.

All digits to the left of your place stays the same.

All digits to the right of your place are replaced with zeros.

a. Round 17.389 to the nearest hundredth

b. Round 36.3215 to the nearest tenth

c. Round 9.548 to the nearest whole number

Complete the table below

Decimal Number	Round to the nearest :-				
	Whole Number	Tenths	Hundredths	Thousandths	Ten - Thousandths
68.15741					
4.56999					
18.17215					
24.79268					
5.048059					

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All digits to the right of your place are replaced with zeros.

**a.** Round 17.389 to the nearest hundredth

You see that, 9 is at the hundredth place.

You also see that, the number to the right of 9 is greater than 5.

So, we increase 8 to 9 and replace all the numbers to the right of 9 by zeros

Therefore, 17.389 - 17.390 to the nearest hundredth

**b.** Round 36.3215 to the nearest tenth

You see that, 3 is at the tenth place and also the number to the right of 3 is less than 5.

So, 3 remains the same and we replace all the digits to the right with zeros

Therefore, 36.3215 - 36.3000 to the nearest tenth

**c.** Round 9.548 to the nearest whole number

You see that, 9 is at the ones place which is the place of interest.

You also see that, the number to the right of 9 is equal to 5.

So, we increase 9 to 10 and replace all the numbers to the right of nine with zeros.

Therefore, 9.548 - 10.000 to the nearest whole number.

Complete the table below

Decimal Number	Round to the nearest :-				
	Whole Number	Tenths	Hundredths	Thousandths	Ten - Thousandths
68.15741	68.00000	68.20000	68.16000	68.15700	68.15740
4.56999	6.00000	4.60000	4.57000	4.57000	4.57000
18.17215	18.00000	18.10000	18.17000	18.17200	18.17220
24.79268	25.00000	24.80000	24.79000	24.79300	24.79270
5.048059	5.000000	5.000000	5.050000	5.048000	5.048100