Decimals

Name_____

Rounding Decimals Through Thousandths

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1. Round 13.423 to the nearest hundredth.

1 3 . 4 2 3

Circle the digit in the hundredths place.

The digit to the right is _____ than 5.

Round _____ to the nearest hundredth.

13.423 rounds to _____.

┌───┐
RULES FOR ROUNDING

1. Circle the digit in the place to which you are rounding.

2. If the digit to the right is less than 5, round the circled number down.

3. If the digit to the right is 5 or greater, round the circled number up.
└───┘

2. Round 52.075 to the nearest tenth.

5 2 . 0 7 5

Circle the digit in the tenths place.

The digit to the right is _____ than 5.

Round _____ to the nearest tenth.

52.075 rounds to _____.

3. Round 5.749 to the nearest hundredth.

5 . 7 4 9

Circle the digit in the hundredths place.

The digit to the right is _____ than 5.

Round _____ to the nearest hundredth.

5.749 rounds to _____.

4. Round 20.534 to the nearest tenth.

2 0 . 5 3 4

Circle the digit in the tenths place.

The digit to the right is _____ than 5.

Round _____ to the nearest tenth.

20.534 rounds to _____.

5. Round 25.045 to the nearest hundredth.

2 5 . 0 4 5

Circle the digit in the hundredths place.

The digit to the right is _____ _____ than 5.

Round _____ to the nearest hundredth.

25.045 rounds to _____.

6. Round 93.621 to the nearest tenth.

93.621 rounds to _____.

7. Round 4.569 to the nearest hundredth.

4.569 rounds to _____.

8. Round 12.675 to the nearest tenth.

12.675 rounds to _____.

9. Round 7.506 to the nearest hundredth.

7.506 rounds to _____.

Decimals

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Rounding Decimals Through Thousandths

———————— CRITICAL THINKING AND PROBLEM SOLVING ————————

Complete the table by rounding each number to the nearest hundredth, then to the nearest whole number.

Coffee Drinking Countries			
	Annual Consumption per Person (in pounds)		
Country		Round to the nearest hundredth	Round to the nearest whole number
10. Austria	18.688		
11. Belgium/Luxembourg	18.375		
12. Denmark	19.188		
13. France	12.063		
14. Netherlands	14.688		
15. Switzerland	17.563		
16. United States	8.813		

Source: Top Ten of Everything 1998 by Russell Ash

17. What number am I?

I have 3 decimal places.

I am greater than 6.29.

I round to 6 when rounded to the nearest whole number.

I am less than 6.3.

I am the number _____.

18. What number am I?

I have 2 decimal places.

I am greater than 0.99.

I round to 1.1 when rounded to the nearest tenth.

I am less than 1.14.

I am the number _____.

19. What number am I?

I have 3 decimal places.

Rounding to the nearest whole number makes me 125.

Rounding to the nearest tenth makes me 125.5.

Rounding to the nearest hundredth makes me 125.46.

I have six digits.

I am the number

_____.

20. What number am I?

I have 3 decimal places.

Rounding to the nearest whole number makes me 28.

Rounding to the nearest tenth makes me 27.6.

Rounding to the nearest hundredth makes me 27.57.

My last digit is greater than 5.

I am the number

_____.

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