

Corrected: 10 Thursday

Name: LOZ

Date: 2-25-2021

## Lesson 8.2 Comparing and Rounding Decimals

Compare the decimals in each place-value chart.

Fill in the blanks. Write  $>$  or  $<$  in the  $\bigcirc$ .

1.

Ones	Tenths	Hundredths	Thousandths
5	0	7	8
4	0	8	7

5.078 is greater than 4.087

5.078  $\bigcirc$  4.087

2.

Ones	Tenths	Hundredths	Thousandths
0	6	5	4
0	9	4	5

0.654 is less than 0.945

0.654  $\bigcirc$  0.945

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3.

Ones	Tenths	Hundredths	Thousandths
4	2	7	0
4	7	2	0

4.720 is greater than 4.270

4.720  $\textcircled{>}$  4.270

Write  $>$ ,  $<$ , or  $=$  in each  $\bigcirc$ .

4.  $0.589 \textcircled{<} 0.859$

5.  $3.409 \textcircled{>} 3.094$

6.  $0.065 \textcircled{<} 0.605$

7.  $9.10 \textcircled{>} 9.06$

Circle the greatest decimal and underline the least.

8.  $\textcircled{5.609}$   $\textcircled{5.69}$  5.069 5.6

✓ 9. 80.002 80.02  $\textcircled{80.2}$   $\textcircled{80.202}$

Order the decimals from least to greatest.

10.  $0.965, 0.956, 0.569$

0.569, 0.956, 0.965

11.  $6.309, 9.036, 6.903$

6.309, 6.903, 9.036

12.  $0.8, 0.088, 0.808, 0.88$

0.088, 0.8, 0.808, 0.88

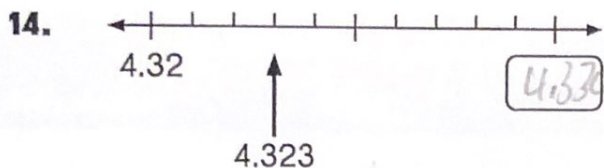
13.  $0.029, 0.1, 0.999, 1$

0.029, 0.1, 0.999, 1

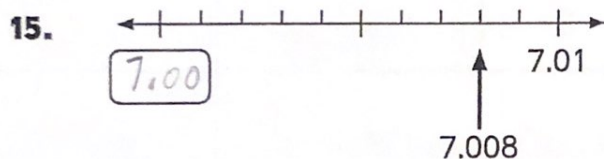
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**Write the missing decimal in each box. Round the given decimal to the nearest hundredth.**



4.323 rounded to the nearest hundredth is 4.32.



7.008 rounded to the nearest hundredth is 7.01.

**Fill in the blanks.**

16. The length of a piece of rope is 3.458 meters.  
Round the length to the nearest hundredth of a meter.

3.458 meters rounds to 3.46 meters.

17. The mass of a dog is 12.015 kilograms.  
Round the mass to two decimal places. ✓

12.02 kilograms rounds to 12.02 kilograms.

18. The volume of milk in a carton is 2.295 liters.  
Round the volume to the nearest hundredth of a liter.

2.30 liters rounds to 2.30 liters.



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Round each decimal to the nearest whole number, nearest tenth, and nearest hundredth.

19.

Decimal	Rounded to the Nearest		
	Whole Number	Tenth	Hundredth
2.768	3	✓ 3	✓ 2.8
3.184	3	✓ 3	✓ 3.2
0.476	0	✓ 0	✓ 0.5
8.695	9	✓ 9	✓ 8.7

If you are rounding 2.768 to the nearest tenth, you would first look at the hundredths place, which is a 6. We already know 6 would round up, so this would make the answer 2.8

Fill in the blanks.

20. A decimal rounded to the nearest tenth is 1.5.  
Write two decimals that can be rounded to 1.5.

1.54 and 1.45

21. A decimal rounded to the nearest hundredth is 4.26.  
Write two decimals that can be rounded to 4.26.

4.258 and 4.261

22. A decimal rounded to the nearest hundredth is 8.03.  
The decimal is greater than 8.03.

What could this decimal be? 8.033

23. A decimal rounded to the nearest hundredth is 7.91.  
The decimal is less than 7.91.

What could this decimal be? 7.889