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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. $\textcircled{5.609}$ 5.69 5.069 5.6

9. 80.002 80.02 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

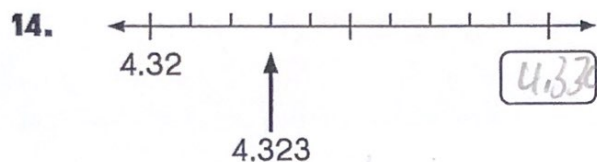
13. 0.029, 0.1, 0.999, 1

0.029, 0.1, 0.999, 1

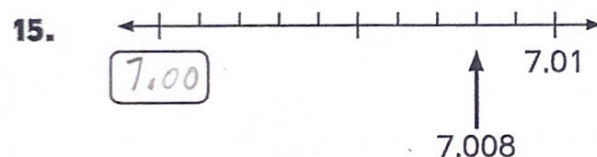
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Write the missing decimal in each box. Round the given decimal to the nearest hundredth.



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.

Whole
tenth
hundredth
2768

what I highlighted is not the actual place value, but it is where you should look when rounding. So if you're rounded 2.768 to the nearest hundredth, you would look at the number in the thousandths (8)

19.

Decimal	Rounded to the Nearest		
	Whole Number	Tenth	Hundredth
2.768	<u>3</u>	<u>7</u>	<u>7</u>
3.184	<u>3</u>	<u>1</u>	<u>8</u>
0.476	<u>0</u>	<u>4</u>	<u>8</u>
8.695	<u>8</u>	<u>7</u>	<u>0</u>

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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.

1.4 and 1.6

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

4.24 and 4.27

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