

Tuesday 7th July, 2020

LO: To order and compare decimals

Click on this bubble pop up game to have a go

<http://www.sheppardsoftware.com/mathgames/decimals/BalloonPopDecimals1.htm>

Now have a go at ordering this set of decimals - **SMALLEST TO LARGEST**

3.21 3.23 0.31 0.23 0.3 0.33

ANSWERS

0.23 0.3 0.31 0.33 3.21 3.23

Select a worksheet below that you are most comfortable to complete

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1. 0.5 0.4 0.2 0.7

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2. 0.1 0.6 0.5 0.2

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3. 0.3 0.1 0.6 0.4

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4. 0.3 0.2 0.8 0.5

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5. 0.4 0.9 0.6 0.8

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1a. Write down and compare these decimal numbers using $>$, $<$ or $=$.

0.1
0.01
0.01

0.1
0.1
0.01
0.01

2b. Use $>$, $<$ or $=$ to compare these decimal numbers.

1	0.1	0.01
•	•••	••

□

1	0.1	0.01
•	••	••••

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Order the following decimal numbers from smallest to largest.

1. 0.61 0.58 0.42 0.2 0.81

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2. 0.57 0.29 0.14 0.48 0.26

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3. 0.67 0.09 0.7 0.28 0.81

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4. 0.03 0.86 0.49 0.71 0.94

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6b. Write down and compare these decimal numbers using $>$, $<$ or $=$.

0.1 0.01 0.01 1 1 0.01

0.1 1 0.01 0.1 0.01 0.1

0.1 0.01 0.01 0.1 0.01

□

8b. Put the counters on the place value grid to make the statement correct.

1	0.1	0.01

 <

1	0.1	0.01
••	•	•••

•••

4a. Travel vertically or horizontally through the maze by moving from smaller to larger decimal numbers.

Start

0.29	0.09	0.49	0.85
0.36	0.68	0.91	1.03
0.19	0.35	0.89	1.12
2.72	1.09	0.59	1.49

Finish

6b. Jack says:



I have the tallest tower because it is 3.64m high.

Maya says:

I have the tallest tower because it is 3.46m high.



Who is correct? Explain why.

2. Use the digit cards below to make as many decimal numbers as you can which include tenths and hundredths. Order your combinations using the symbols < and >.



Create your own 3 digit cards and repeat the process.

7a. Who is correct?

$$1 \text{ and } \frac{75}{100} = 1.85$$



The decimal number is one hundredth greater than the fraction.

The decimal number is ten hundredths greater than the fraction.



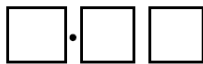
Explain your answer.

9b. Is this statement correct?

$$1.21 > 1.20 > 1.12$$

Explain your answer.

8a. Use the digit cards to make three decimals that are greater than one with an even hundredths digit.



Write the equivalent fraction for each decimal you create.