

Order and Compare Decimals

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1a. Oliver made a number between two and three tenths and 2.85 using counters on a place value mat.

1	0.1	0.01	0.001
			

Six of the counters have fallen off.

List 3 possibilities of what Oliver's number could be.



PS

1b. Jamie made a number between 3.22 and 3.95 using counters on a place value chart.

1	0.1	0.01	0.001
			

Five of the counters have fallen off.

List 3 possibilities of what Jamie's number could be.



PS

2a. Look at this number sequence.

	2.98	3.39	3.56
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1	4	5	9
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Use the number cards to make all the possible numbers with 2 decimal places that can complete the sequence.



PS

2b. Look at this number sequence.

2.39	3.67		3.95
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3	6	7	8
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Use the number cards to make all the possible numbers with 2 decimal places that can complete the sequence.



PS

3a. Anika is comparing numbers. She says,



I think that
 $3.21 > 3.14$

Is Anika correct? Explain your answer.



R

3b. Joshua is comparing numbers. He says,



I think that
 $5.6 > 5.62$

Is Joshua correct? Explain your answer.



R

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4a. Tom made a number between 3.413 and four and six tenths, using counters on a place value mat.

1	0.1	0.01	0.001
			

Six of the counters have fallen off.

List 3 possibilities of what Tom's number could be.



PS

4b. Beth made a number between 2.045 and 2.159 using counters on a place value chart.

1	0.1	0.01	0.001
			

Seven of the counters have fallen off.

List 3 possibilities of what Beth's number could be.



PS

5a. Look at this number sequence.

$3 \frac{508}{1000}$ 3.67 $4 \frac{561}{1000}$



Use the number cards to make all the possible numbers with 3 decimal places that can complete the sequence.



PS

5b. Look at this number sequence.

$8 \frac{648}{1000}$ 7.67 $6 \frac{961}{1000}$



Use the number cards to make all the possible numbers with 3 decimal places that can complete the sequence.



PS

6a. Dominic is comparing numbers. He says,



I think that
 $3.218\text{km} > 3220\text{m}$

Is Dominic correct? Explain your answer.



R

6b. Emily is comparing numbers. She says,



I think that
 $328.8\text{cm} = 3.288\text{m}$

Is Emily correct? Explain your answer.



R

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7a. Molly made a number between 0.405×10 and $42.14 \div 10$, using counters on a place value mat..

1	0.1	0.01	0.001
			

Six of the counters have fallen off.

List 3 possibilities of what Molly's number could be.



PS

7b. Sam made a number between $28.29 \div 10$ and 0.254×10 using counters on a place value chart.

1	0.1	0.01	0.001
			

Seven of the counters have fallen off.

List 3 possibilities of what Sam's number could be.



PS

8a. Look at this number sequence.

$$5 \frac{429}{1000} \quad 52.1 \div 10 \quad \boxed{} \quad 4 \frac{261}{1000}$$



Use the number cards to make all the possible numbers with 3 decimal places that can complete the sequence.



PS

8b. Look at this number sequence.

$$6 \frac{648}{1000} \quad 6.67 \quad \boxed{} \quad 0.693 \times 10$$



Use the number cards to make all the possible numbers with 3 decimal places that can complete the sequence.



PS

9a. Grace is comparing numbers. She says,



I think that $5.219\text{km} > 5220\text{m} < 5.22\text{km}$

Is Grace correct? Explain your answer.



R

9b. Maya is comparing numbers. She says,



I think that $0.684 \times 10 = 6.84 > 68.2 \div 10$

Is Maya correct? Explain your answer.



R