

Varied Fluency

Step 4: Order Decimals

National Curriculum Objectives:

Mathematics Year 4: (4F8) [Compare numbers with the same number of decimal places up to two decimal places](#)

Mathematics Year 4: (4F10b) [Solve simple measure and money problems involving fractions and decimals up to two decimal places](#)

Differentiation:

Developing Questions to support ordering decimal numbers including tenths and hundredths. Numbers to be written in numerals only without zero as a place holder.

Expected Questions to support ordering decimal numbers including ones, tenths and hundredths. Numbers to be written in numerals and words and include zero as a place holder.

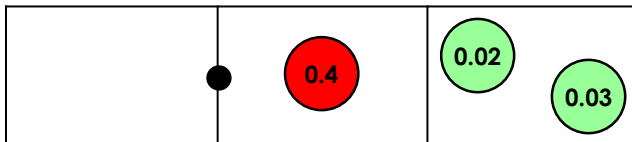
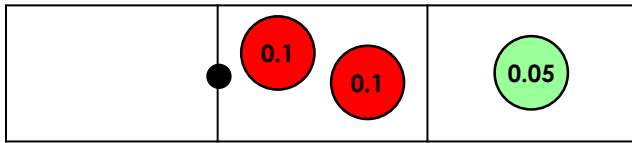
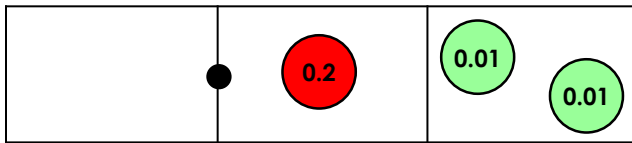
Greater Depth Questions to support ordering decimal numbers including tens, ones, tenths and hundredths. Numbers to be written in numerals and words, include zero as a place holder and exchanges.

More [Year 4 Decimals](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Order Decimals

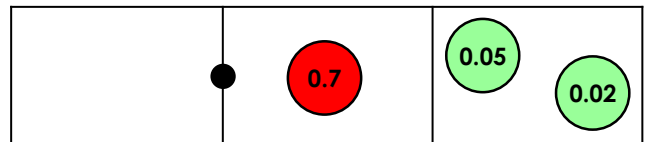
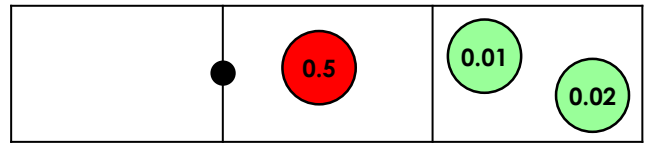
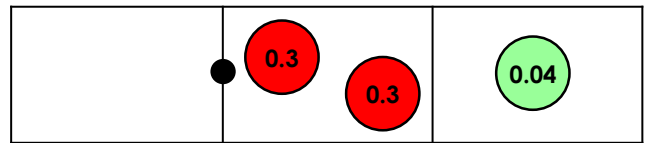
1a. The place value counters below make three different decimals. Write them from smallest to largest.



VF

Order Decimals

1b. The place value counters below make three different decimals. Write them from largest to smallest.



VF

2a. The decimals below are ordered from smallest to largest. Circle the decimal that completes the sequence.

0.2	0.4		0.7
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0.1 0.3 0.8 0.6



VF

2b. The decimals below are ordered from largest to smallest. Circle the decimal that completes the sequence.

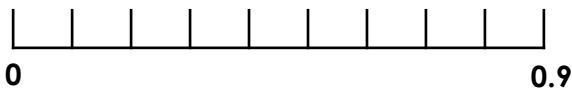
0.82		0.45	0.23
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0.34 0.13 0.67 0.92



VF

3a. Draw arrows to show each decimal on the number line below.

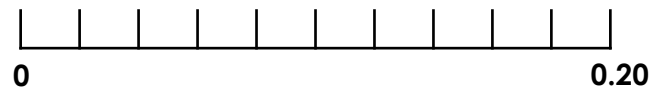


0.4	0.2	0.7	0.5
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VF

3b. Draw arrows to show each decimal on the number line below.



0.08	0.12	0.18	0.04
------	------	------	------



VF

4a. Is each row of decimals ordered from smallest to largest?

0.8	0.5	0.9	0.4
0.2	0.5	0.7	0.9
0.5	0.6	0.2	0.7

Yes	No



VF

4b. Is each row of decimals ordered from largest to smallest?

0.67	0.56	0.35	0.22
0.34	0.30	0.24	0.12
0.76	0.23	0.55	0.10

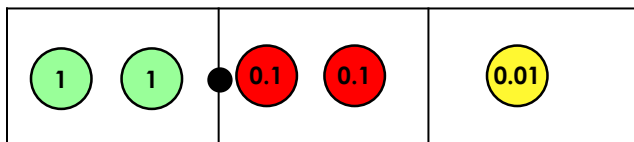
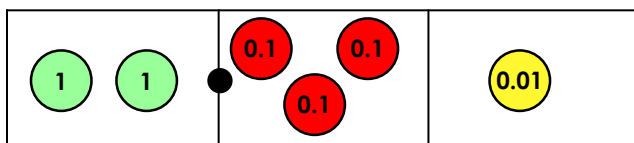
Yes	No



VF

Order Decimals

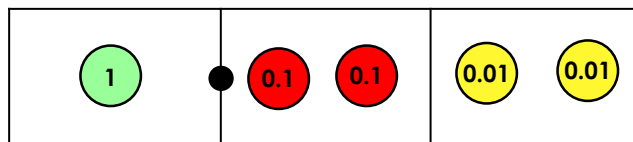
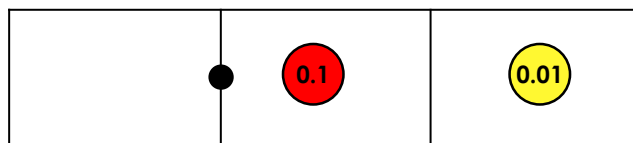
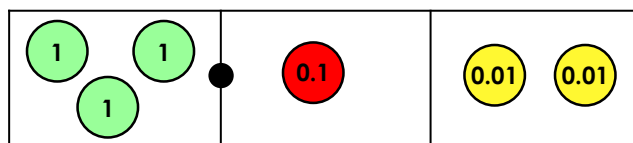
5a. The place value counters below make three different decimals. Write them in ascending order.



VF

Order Decimals

5b. The place value counters below make three different decimals. Write them in descending order.



VF

6a. The decimals below are in ascending order. Circle the decimal that completes the sequence.

3.08	3.24		3.55
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3.75 3.45 3.09 3.58



VF

6b. The decimals below are in descending order. Circle the decimal that completes the sequence.

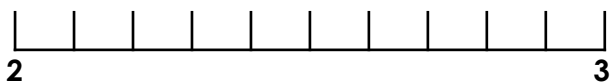
2.44		2.38	2.31
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2.45 2.32 2.35 2.41



VF

7a. Draw arrows to show each decimal on the number line below.

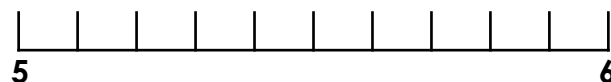


2.55	2.18	2.42	2.91
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VF

7b. Draw arrows to show each decimal on the number line below.



5.19	5.08	5.35	5.51
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VF

8a. Is each row of decimals in descending order?

3.14	3.12	3.04	2.98
4.89	5.01	5.65	5.77
4.67	4.46	4.34	4.44

Yes	No



VF

8b. Is each row of decimals in ascending order?

3.28	3.83	3.72	3.94
2.89	3.31	3.54	3.72
6.07	6.36	6.34	6.45

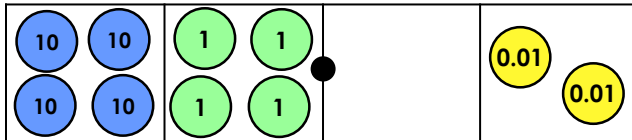
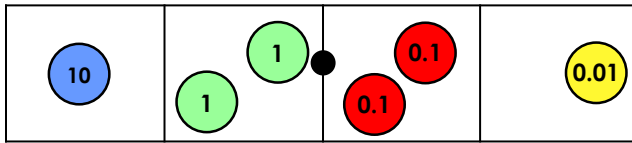
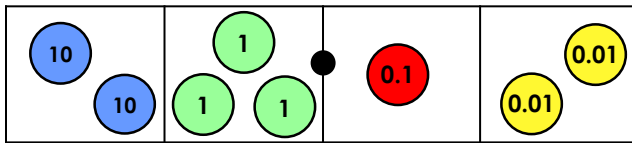
Yes	No



VF

Order Decimals

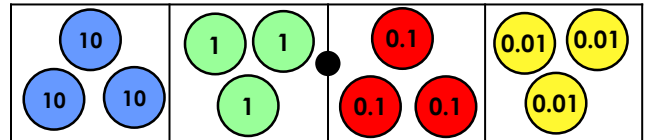
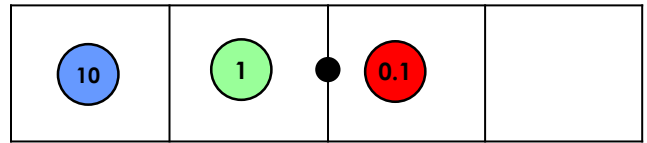
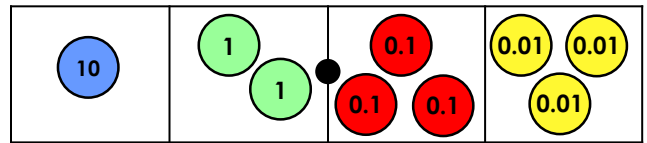
9a. The place value counters below make three different decimals. Write them in ascending order.



VF

Order Decimals

9b. The place value counters below make three different decimals. Write them in descending order.



VF

10a. The measurements below are in ascending order. Circle the decimal that completes the sequence.

8.48ml	12.56ml		23.95ml
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35.56ml 5.32ml 20.58ml 11.56ml



VF

10b. The measurements below are in descending order. Circle the decimal that completes the sequence.

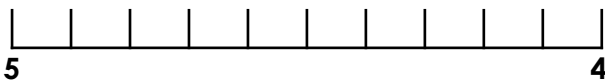
78.49m		63.84m	43.69m
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63.88m 63.82m 23.58m 12.94m



VF

11a. Draw arrows to show each decimal on the number line below.

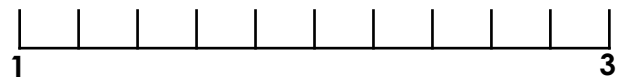


4.65	4.89	4.75	4.05
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VF

11b. Draw arrows to show each decimal on the number line below.



1.7	1.25	2.8	2.5
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VF

12a. Is each row of decimals in descending order?

1.01	1.1	1.11	11.1
33.3	33.03	3.3	3.03
17.71	17.17	11.7	11.17

Yes	No



VF

12b. Is each row of decimals in ascending order?

2.12	2.21	2.2	12.2
14.14	14.4	14.41	41.14
0.19	0.91	1.9	1.19

Yes	No



VF

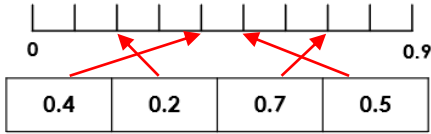
Varied Fluency Order Decimals

Developing

1a. **0.22, 0.25, 0.45**

2a. **0.6**

3a.



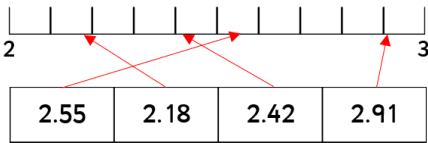
4a. **No, Yes, No**

Expected

5a. **1.02, 2.21, 2.31**

6a. **3.55**

7a.



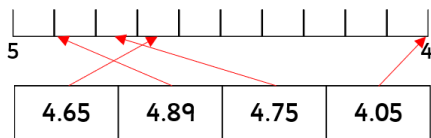
8a. **Yes, No, No**

Greater Depth

9a. **12.21, 23.12, 44.02**

10a. **20.58ml**

11a.



12a. **No, Yes, Yes**

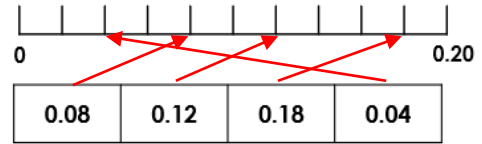
Varied Fluency Order Decimals

Developing

1b. **0.64, 0.53, 0.77**

2b. **0.67**

3b.



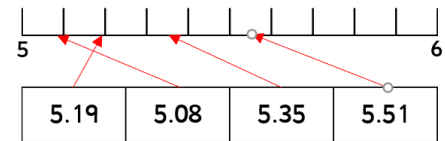
4b. **Yes, Yes, No**

Expected

5b. **3.12, 1.22, 0.11**

6b. **2.41**

7b.



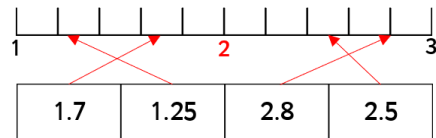
8b. **No, Yes, No**

Greater Depth

9b. **33.33, 12.33, 11.10**

10b. **63.88m**

11b.



12b. **No, Yes, No**