

Homework/Extension

Step 7: Order and Compare Decimals

National Curriculum Objectives:

Mathematics Year 5: (5F8) [Read, write, order and compare numbers with up to three decimal places](#)

Differentiation:

Questions 1, 4 and 7 (Varied Fluency)

Developing Identify the number incorrectly ordered on the number line. Includes numbers up to 2 decimal places without the use of 0 as a place holder, including some words, no mixed numbers.

Expected Identify the number incorrectly ordered on the number line. Includes numbers up to 3 decimal places, including the use of 0 as a place holder, including words and mixed numbers.

Greater Depth Identify the number incorrectly ordered on the number line. Includes numbers up to 3 decimal places, including the use of 0 as a place holder, including words, mixed numbers, some equations, e.g. $13.33 \div 10$ and some unconventional partitioning.

Questions 2, 5 and 8 (Varied Fluency)

Developing Move from smaller to larger decimal numbers across a grid. Includes numbers up to 2 decimal places without the use of 0 as a place holder, including some words, no mixed numbers.

Expected Move from smaller to larger decimal numbers across a grid. Includes numbers up to 3 decimal places, including the use of 0 as a place holder, including words and mixed numbers and some mixed conversions, e.g. 3.212km, 3,212m.

Greater Depth Move from smaller to larger decimal numbers across a grid. Includes numbers up to 3 decimal places, including the use of 0 as a place holder, including words, mixed numbers and some mixed conversions, e.g. 3.212km, 3202m and equations, e.g. $13.33 \div 10$ and some unconventional partitioning.

Questions 3, 6 and 9 (Reasoning and Problem Solving)

Developing Comparing numbers up to 2 decimal places without the use of 0 as a place holder, including some words, no mixed numbers.

Expected Compare numbers up to 3 decimal places, including the use of 0 as a place holder, including words and mixed numbers.

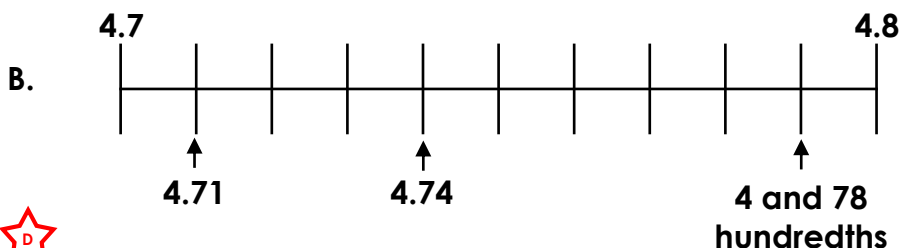
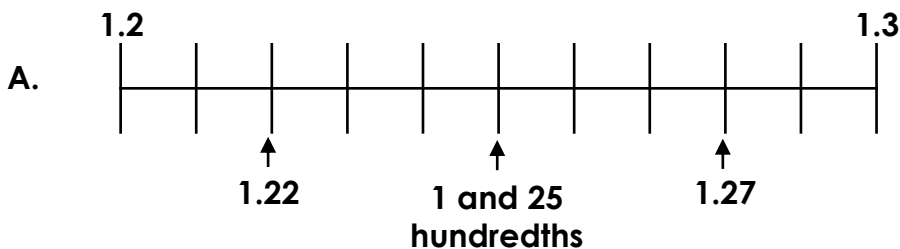
Greater Depth Compare numbers up to 3 decimal places, including the use of 0 as a place holder, including words, mixed numbers, some equations, e.g. $13.33 \div 10$ and some unconventional partitioning.

More [Year 5 Decimals and Percentages](#) resources.

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

Order and Compare Decimals

1. Circle the number which has been incorrectly placed on each number line below.



VF
HW/Ext

2. Moving from a smaller to a larger decimal each time, move vertically or horizontally to travel from start to finish on the grid.

Start

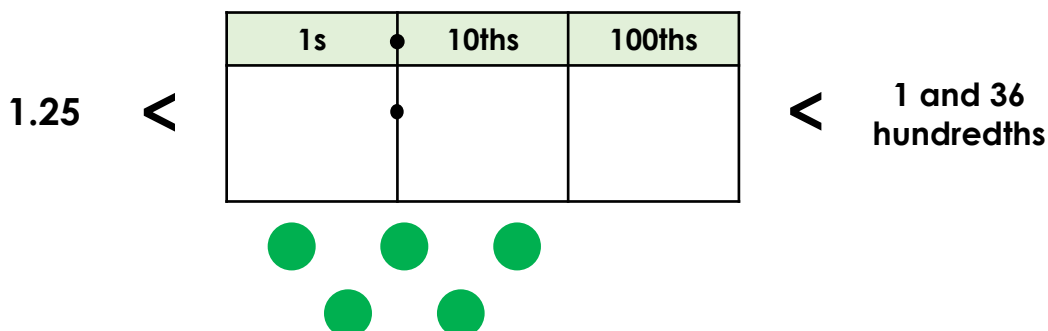
1.26	0.45	4.81	4.92	5.19
2 and 43 hundredths	3.67	3.76	2.89	5 and 23 hundredths
2.15	3.22	2 and 45 hundredths	3.67	6.45

Finish



VF
HW/Ext

3. Using all of the counters each time, Albie thinks that he can make two different numbers on the place value chart below, so that the statement is correct.



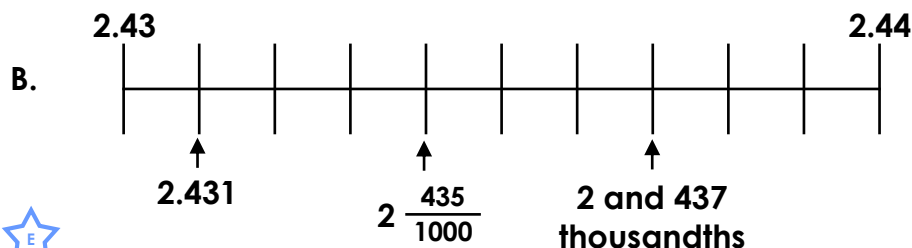
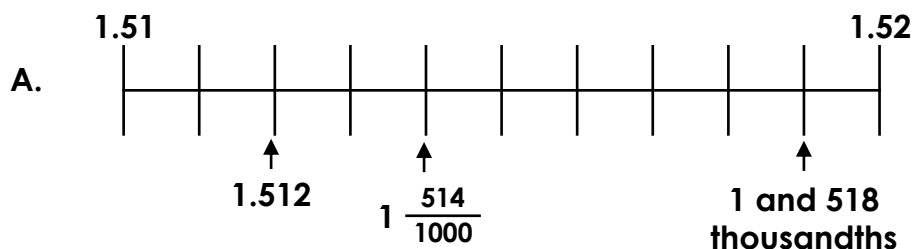
Is he correct? Prove it.



RPS
HW/Ext

Order and Compare Decimals

4. Circle the number which has been incorrectly placed on each number line below.



VF
HW/Ext

5. Moving from a smaller to a larger decimal each time, move vertically or horizontally to travel from start to finish on the grid.

Start

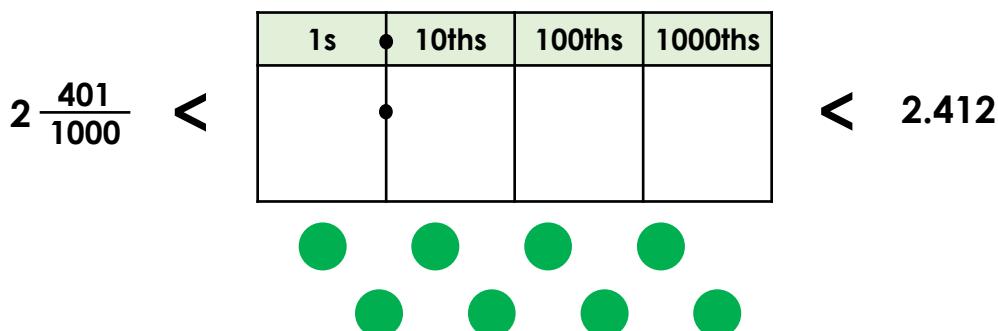
1.607km	$1 \frac{610}{1000}$ km	2,098m	2.097km	$1 \frac{9}{10}$ km
$1 \frac{099}{1000}$ km	1,601m	2.112km	$2 \frac{3}{10}$ km	2.299km
2,980m	1.399km	$2 \frac{1}{10}$ km	2,450m	$2 \frac{501}{1000}$ km

Finish



VF
HW/Ext

6. Using all of the counters each time, Polly thinks that she can make two different numbers on the place value chart below, so that the statement is correct.



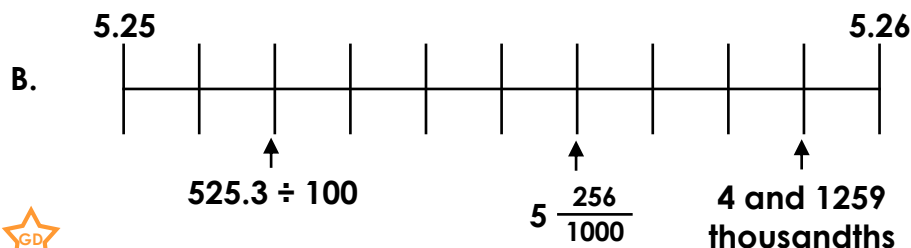
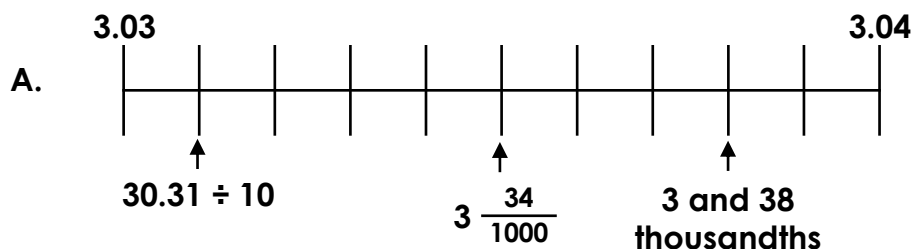
Is she correct? Prove it.



RPS
HW/Ext

Order and Compare Decimals

7. Circle the number which has been incorrectly placed on each number line below.



VF
HW/Ext

8. Moving from a smaller to a larger decimal each time, move vertically or horizontally to travel from start to finish on the grid.

Start

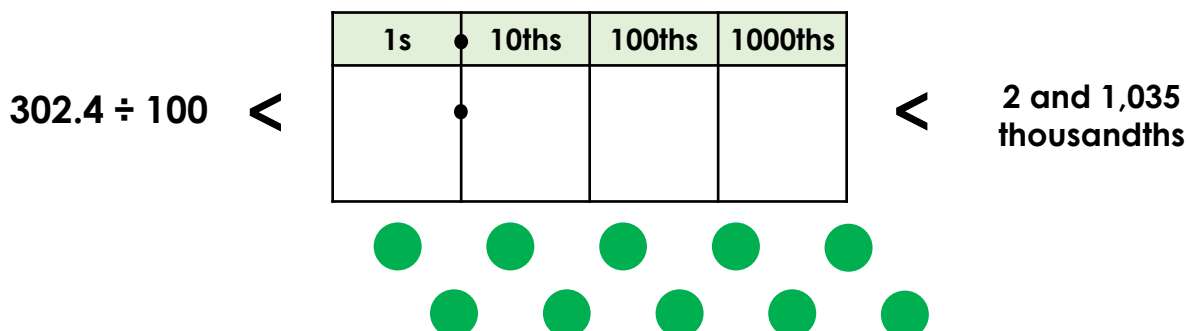
5.060km	$6 \frac{62}{1000}$ km	6,052m	5,901m	$6 \frac{9}{10}$ km
5,009m	6,702m	$68.15\text{km} \div 10$	$5 \frac{1986}{1000}$ km	$60.72\text{km} \div 10$
$5 \frac{1}{10}$ km	6.099km	6.789km	$743.5\text{km} \div 100$	7.501km

Finish



VF
HW/Ext

9. Using all of the counters, Dev thinks that he can only make one number on the place value chart below, so that the statement is correct.



Is he correct? Prove it.



RPS
HW/Ext

Homework/Extension

Order and Compare Decimals

Developing

1. **A. 1.27; B. 2 and 78 hundredths**

2.

1.26	0.45	4.81	4.92	5.19
2 and 43 hundredths	3.67	3.76	2.89	5 and 23 hundredths
2.15	3.22	2 and 45 hundredths	3.67	6.45

3. **Albie is incorrect; he can only make 1.31 with the 5 counters he has.**

Expected

4. **A. 1 and 518 thousandths; B. $2\frac{435}{1000}$**

5.

1.607km	$1\frac{610}{1000}$km	2,098m	2.097km	$1\frac{9}{10}$km
$1\frac{099}{1000}$km	1,601m	2.112km	$2\frac{3}{10}$km	2.299km
2,980m	1.399km	$2\frac{1}{10}$km	2,450m	$2\frac{501}{1000}$km

6. **Polly is correct; she can make 2.402 and 2.411 with the 8 counters she has.**

Greater Depth

7. **A. $3\frac{34}{1000}$; B. $525.3 \div 100$**

8.

5.060km	$6\frac{62}{1000}$km	6,052m	5,901m	$6\frac{9}{10}$km
5,009m	6,702m	$68.15\text{km} \div 10$	$5\frac{1986}{1000}$km	$60.72\text{km} \div 10$
$5\frac{1}{10}$km	6.099km	6.789km	$743.5\text{km} \div 100$	7.501km

9. **Dev is incorrect; he can make 3.025 and 3.034 with the 10 counters he has.**