Varied Fluency
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:

Developing Questions to support ordering and comparing numbers up to 2 decimal places without the use of 0 as a place holder, including some words, no mixed numbers.
Expected Questions to support ordering and comparing 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, 3202m.
Greater Depth Questions to support ordering and comparing 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 ÷ 10.

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

1a. Tick the rows of decimals that are ordered correctly from smallest to largest.

| 1.38 | 1.45 | 1.54 | 1.83 | ☐ |

| 2.48 | 2.4 | 2.49 | 2.59 | ☐ |

| 6.39 | 6.53 | 6.6 | 6.61 | ☐ |

VF

2a. These decimals have been placed in ascending order. Circle the decimal that completes the sequence

| 5.48 | 5.53 | | 5.6 |

5.57   five and four tenths   5.28   5.16

VF

3a. Complete the statement using >, < or = to make it correct.

3.59km ☐ 3.49km ☐ 3.4km

VF

4a. Place the numbers in ascending order.

☐ → ☐ → ☐ → ☐

3.58   2.59   2.65   3.85

VF

Order and Compare Decimals

1b. Tick the rows of decimals that are ordered correctly from largest to smallest.

| 4.53 | 3.53 | 3.35 | 3.39 | ☐ |

| 8.48 | 7.47 | 7.45 | 7.4 | ☐ |

| 7.83 | 7.73 | 7.68 | 7.65 | ☐ |

VF

2b. These decimals have been placed in descending order. Circle the decimal that completes the sequence.

| 7.89 | 7.39 | | 6.83 |

7.8   six and eight tenths   6.89   6.39

VF

3b. Complete the statement using >, < or = to make it correct.

5.74m ☐ 5.76m ☐ 5.67m

VF

4b. Place the numbers in descending order.

☐ → ☐ → ☐ → ☐

6.73   7.63   6.7   7.36

VF

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Varied Fluency – Order and Compare Decimals – Year 5 Developing

Order and Compare Decimals

5a. Tick the rows of decimals that are ordered correctly from smallest to largest.

| 1.307 | 1.459 | 1.67 | 1.679 | ☐ |

| 2.487 | 2.478 | 2.208 | 2.375 | ☐ |

| 4.039 | 4.531 | 4.635 | 4.75 | ☐ |

E   VF

6a. These decimals have been placed in ascending order. Circle the decimal that completes the sequence

| 6.487 | 6.531 | | 7.02 |

6.29   six and six tenths   7.038   7.165

E   VF

7a. Complete the statement using >, < or = to make it correct.

3.59km ☐ 3.29km ☐ 3290m

E   VF

8a. Place the numbers in ascending order.

☐ → ☐ → ☐ → ☐

2.589 $2\frac{561}{1000}$ 2.658 $2\frac{165}{1000}$

E   VF

Order and Compare Decimals

5b. Tick the rows of decimals that are ordered correctly from largest to smallest.

| 3.539 | 3.533 | 3.359 | 3.395 | ☐ |

| 5.487 | 5.478 | 5.408 | 5.4 | ☐ |

| 7.839 | 7.831 | 7.83 | 7.803 | ☐ |

E   VF

6b. These decimals have been placed in descending order. Circle the decimal that completes the sequence.

| 3.1 | 2.804 | | 2.04 |

2.039   two and nine tenths   2.919   2.51

E   VF

7b. Complete the statement using >, < or = to make it correct.

874cm ☐ 8.769m ☐ 8.77m

E   VF

8b. Place the numbers in descending order.

☐ → ☐ → ☐ → ☐

8.731 $8\frac{739}{1000}$ 8.63 $8\frac{665}{1000}$

E   VF

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Varied Fluency – Order and Compare Decimals – Year 5 Expected

Order and Compare Decimals

Order and Compare Decimals

9a. Tick the rows of decimals that are ordered correctly from smallest to largest.

2.589	25.5÷10	2.59	2.939	

3.487	35.4÷10	3.548	3.85	

6.039	6.309	6.390	6.903	

GD   VF

9b. Tick the rows of decimals that are ordered correctly from largest to smallest.

0.987	0.908	8.1÷10	0.089	

8.487	8.478	84.7÷10	8.401	

1.839	1.831	11.8÷10	1.829	

GD   VF

10a. These decimals have been placed in ascending order. Circle the decimal that completes the sequence

8.487	8.531		9.02

8.29   eight and six tenths   0.91x10   9.165

GD   VF

10b. These decimals have been placed in descending order. Circle the decimal that completes the sequence.

6.599	6.398		6.239

6.609   six and four tenths   60.1÷10   6.293

GD   VF

11a. Complete the statement using >, < or = to make it correct.

9.45km ☐ 9.451km ☐ 94.95m x10

GD   VF

11b. Complete the statement using >, < or = to make it correct.
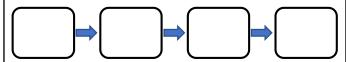
6.82m ☐ 68.2cm x 10 ☐ 6.834m

GD   VF

12a. Place the numbers in ascending order.

☐ → ☐ → ☐ → ☐

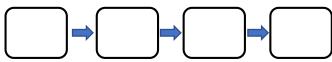9.689 $9\frac{601}{1000}$ 90.58÷10 $9\frac{865}{1000}$

GD   VF

12b. Place the numbers in descending order.

☐ → ☐ → ☐ → ☐

7.831 $7\frac{839}{1000}$ 78.81÷10 $7\frac{865}{1000}$

GD   VF

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Varied Fluency – Order and Compare Decimals – Year 5 Greater Depth

Varied Fluency
Order and Compare Decimals

Developing
1a. 1st and 3rd line ticked.
2a. 5.57
3a. >, >
4a. 2.59, 2.65, 3.58, 3.85

Expected
5a. 1st and 3rd lines ticked.
6a. six and six tenths
7a. >, =
8a. 2.165, 2.561, 2.589, 2.658

Greater Depth
9a. 2nd and 3rd lines ticked.
10a. eight and six tenths.
11a. <, >
12a. 9.058, 9.601, 9.689, 9.865

Varied Fluency
Order and Compare Decimals

Developing
1b. 2nd and 3rd line ticked.
2b. 6.89
3b. <, >
4b. 7.63, 7.36, 6.73, 6.7

Expected
5b. 2nd and 3rd lines ticked.
6b. 2.51
7b. <, <
8b. 8.739, 8.731, 8.665, 8.63

Greater Depth
9b. 1st and 2nd lines ticked.
10b. 6.293
11b. =, <
12b. 7.881, 7.865, 7.839, 7.831

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Varied Fluency – Order and Compare Decimals ANSWERS