

Year 5

Week 12

Lesson 1 – ordering and comparing decimals

**Challenge 1**

Insert the correct symbol  $<$   $=$   $>$  between the decimals below.

1. 2.5 and 2.52
2. 3.5 and 3.41
3. 5.52 and 5.523
4. 5.5 and 5.50
5. 0.087 and 0.87
6. 4.5 and 4.439
7. 9.05 and 9.15
8. 7.652 and 7.65

**Challenge 2**

Order the decimals below in descending order:

1. 6.53, 6.7, 6.9, 6.77, 6.99
2. 3.55, 3.5, 3.4, 3.44, 3.9
3. 2.8, 2.08, 2.008, 2.88, 2.9
4. 4.5, 4.45, 4.75, 4.74, 3.75
5. 7.501, 7.5, 7.510, 75.1, 7.051

### Challenge 3

Jess says:



3.105 is greater than 3.2  
because it has more digits

Do you agree with her? Explain your answer and why clearly. Fully discuss place value.

Danny says: 

7.89 is bigger than 7.9 because 89 is bigger than 9.

Do you agree with him? Explain your answer and why clearly. Fully discuss place value.

### Challenge 4

You have been given a set of decimals. Somewhere in the order is a missing decimal which needs to be filled in. Fill in what the decimal could be (there could be more than one answer).

1.41, 1.45, 1.56, \_\_\_\_\_ 1.62, 1.79

2.532, \_\_\_\_\_ 2.537, 2.59, 2.595

9.098, 9.1, \_\_\_\_\_, 9.2, 9.35, 9.423

12.459, 12.5, \_\_\_\_\_, 12.637 \_\_\_\_\_

10.562, 10.9, \_\_\_\_\_, 11.001, 12.671

7.5, 7.52, \_\_\_\_\_ 7.525, 7.526, 7.527