

Grade 4 Math Worksheet: Like & Unlike Decimals + Ordering decimals
examples : Difficulty Level - Advance

Instructions: Complete the exercises below to improve your understanding of like and unlike decimals, and practice ordering decimals correctly.

Part 1: Identifying Like & Unlike Decimals

1. **Label each pair of decimals as 'Like' or 'Unlike':**
 - (a) 5.075 and 5.75 _____
 - (b) 6.300 and 6.03 _____
 - (c) 8.0000 and 8.0 _____
 - (d) 4.175 and 4.1750 _____
 - (e) 3.400 and 3.04 _____
 2. **Write each of the following decimal pairs as 'Like Decimals' by adding trailing zeros where necessary:**
 - (a) 7.9 and 7.90 → _____
 - (b) 1.015 and 1.15 → _____
 - (c) 6.32 and 6.320 → _____
 - (d) 2.075 and 2.750 → _____
 - (e) 0.9 and 0.90 → _____
 3. **True or False:**
 - (a) 0.75 and 0.750 are like decimals. _____
 - (b) 6.010 and 6.10 are unlike decimals. _____
 - (c) 9.456 and 9.54 are like decimals. _____
 - (d) 4.009 and 4.9 are unlike decimals. _____
 - (e) 0.55 and 0.550 are like decimals. _____
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Part 2: Ordering Decimals

4. **Order the following decimals from least to greatest:**

- 3.045, 3.05, 3.5, 3.504
Answer: _____
 - 5. **Order the following decimals from greatest to least:**
 - 7.210, 7.2, 7.201, 7.020
Answer: _____
 - 6. **Insert the correct symbol (<, >, or =) to make the following statements true:**
 - (a) 3.15 _____ 3.105
 - (b) 6.290 _____ 6.29
 - (c) 5.250 _____ 5.25
 - (d) 8.003 _____ 8.03
 - (e) 4.005 _____ 4.5
 - 7. **Arrange the following decimals in ascending order:**
 - 0.895, 0.89, 0.909, 0.99
Answer: _____
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Part 3: Advanced Word Problems

- 8. **Word Problem:**

Mia measured the following lengths for different plants:

 - Plant 1: 12.785 cm
 - Plant 2: 12.8 cm
 - Plant 3: 12.0785 cm
 - **Order the plants from the shortest to the longest length.**
Answer: _____
- 9. **Word Problem:**

The school library had the following number of books in three categories:

 - Fiction: 25.625 books
 - Non-Fiction: 25.65 books
 - Science Fiction: 25.6250 books
 - **Order the number of books in these categories from least to greatest.**
Answer: _____
- 10. **Word Problem:**

A store sold the following amounts of different products:

 - Product A: 10.550 kg
 - Product B: 10.55 kg
 - Product C: 10.5000 kg

- **Arrange these products from the least to the greatest amount sold.**

Answer: _____

Part 4: Decimal Sequences & Patterns

11. Challenge:

Complete the decimal sequence by identifying the missing decimal:

4.987, 4.988, 4.989, _____, 4.991

Answer: _____

12. Challenge:

Fill in the missing number in the sequence:

9.075, 9.076, 9.077, _____, 9.079

Answer: _____

13. Challenge:

Identify the next decimal number in the sequence and order the numbers from smallest to largest:

3.003, 3.03, 3.3, 3.300

Answer: _____

Part 5: Application of Decimal Knowledge

14. Word Problem:

A race car completed laps in the following times:

- Lap 1: 18.904 seconds
- Lap 2: 18.94 seconds
- Lap 3: 18.9040 seconds
- **Order the lap times from fastest to slowest.**

Answer: _____

15. Challenge Problem:

A fruit seller weighed different amounts of oranges:

- 12.15 kg, 12.150 kg, 12.5 kg, 12.145 kg
- **Order the amounts of oranges from greatest to least.**

Answer: _____

Part 6: Bonus Challenge

16. Bonus:

Order the following decimals in ascending order and add one more decimal place to each number before ordering them:

- 3.123, 3.12, 3.125

Answer: _____

This worksheet includes **advanced-level questions** on identifying like and unlike decimals, ordering decimals, and applying these skills to real-world problems. The inclusion of decimal sequences, ordering word problems, and pattern recognition challenges students' ability to handle decimals in different contexts, making it suitable for advanced learners.

—BE CHAMPION—