

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

Instructions: Complete the exercises below to practice identifying like and unlike decimals, and order them correctly.

Part 1: Identifying Like & Unlike Decimals

1. **Label each pair of decimals as 'Like' or 'Unlike':**
 - (a) 5.123 and 5.012 _____
 - (b) 0.0045 and 0.045 _____
 - (c) 10.500 and 10.050 _____
 - (d) 7.620 and 7.62 _____
 - (e) 8.024 and 8.24 _____
 2. **Convert the following unlike decimals into like decimals by adding zeros where needed and rewrite them:**
 - (a) 3.2 and 3.200 → _____
 - (b) 0.625 and 0.62500 → _____
 - (c) 2.5 and 2.500 → _____
 - (d) 7.98 and 7.980 → _____
 - (e) 0.75 and 0.750 → _____
 3. **True or False:**
 - (a) 9.10 and 9.100 are unlike decimals. _____
 - (b) 4.501 and 4.51 are like decimals. _____
 - (c) 0.6000 and 0.6 are like decimals. _____
 - (d) 5.080 and 5.8 are like decimals. _____
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Part 2: Ordering Decimals

4. **Order the following decimals from smallest to largest:**

- 7.842, 7.8, 7.804, 7.84

Answer: _____

5. **Arrange the following decimals from largest to smallest:**

- 0.5874, 0.574, 0.5759, 0.5798

Answer: _____

6. **Insert the correct symbol (<, >, or =) to make the following statements true:**

- (a) 3.004 _____ 3.4
- (b) 8.623 _____ 8.632
- (c) 0.349 _____ 0.394
- (d) 5.503 _____ 5.530
- (e) 9.672 _____ 9.6720

7. **Order these decimals in ascending order:**

- 3.76, 3.760, 3.775, 3.7

Answer: _____

Part 3: Advanced Word Problems

8. **Word Problem:** Sarah and Mike are measuring the length of two ropes. Sarah's rope is 12.395 meters long, and Mike's rope is 12.3950 meters long.

- Who has the longer rope?

Answer: _____

9. **Word Problem:**

A school cafeteria serves 3.75 liters of juice on Monday, 3.755 liters on Tuesday, and 3.745 liters on Wednesday.

- Order the amount of juice served from least to greatest.

Answer: _____

10. **Word Problem:**

A baker uses 5.780 kg of flour on Monday, 5.8 kg on Tuesday, and 5.75 kg on Wednesday.

- Order the amount of flour used from greatest to least.

Answer: _____

Part 4: Decimal Patterns & Sequences

11. **Challenge:**

Fill in the blanks in the following decimal sequence:

- 3.81, 3.811, ____, 3.813, 3.814

Answer: _____

12. Challenge:

Complete the following sequence of decimals:

- 0.775, 0.780, ____, 0.790, 0.795

Answer: _____

13. Challenge:

Identify the next number in the pattern and order them from smallest to largest:

- 4.204, 4.200, 4.2, 4.2040

Answer: _____

Part 5: Application of Decimal Understanding

14. Word Problem:

A company's quarterly earnings are as follows:

- First quarter: 5.625 million
- Second quarter: 5.6 million
- Third quarter: 5.0625 million
- Fourth quarter: 5.650 million
- **Order the earnings from smallest to largest.**

Answer: _____

15. Challenge Problem:

Convert the following decimals to have four decimal places and then order them from smallest to largest:

- 7.89, 7.8, 7.890, 7.8

Answer: _____

Part 6: Bonus Challenge

16. Bonus:

Arrange these decimals in ascending order, but add one more decimal place to each number before ordering them:

- 12.452, 12.45, 12.455

Answer: _____

This worksheet is designed to challenge students by testing their ability to handle more complex decimal comparisons, conversions, and ordering. The word problems add a real-world application to the decimal concepts, and the pattern-related questions enhance critical thinking.

—BE CHAMPION—