Grade 4 Math Worksheet: Introduction to Decimals. Difficulty Level : Intermediate

Instructions: Solve the problems below. Make sure to show your work and write your answers clearly.

Part 1: Decimal Place Value

1. What is the place value of the digit 2 in the number 4.328?

    _____

2. Write the decimal number 6.45 in expanded form:

    _____

3. In the number 7.649, what is the value of the digit 6?

    _____

Part 2: Comparing and Ordering Decimals

4. Which is larger? Circle the correct answer:
    - 0.55 or 0.45
    - 0.92 or 0.88
    - 0.76 or 0.67

5. Put the following decimals in order from smallest to largest:
    - 0.3, 0.35, 0.4, 0.25

    _____

6. Fill in the blanks with <, >, or =:
    - 0.85 _____ 0.8
    - 1.25 _____ 1.2
    - 0.45 _____ 0.46

Part 3: Addition and Subtraction with Decimals

7. Solve the following problems:
   - 5.3 + 2.7 = _____
   - 8.9 - 3.45 = _____
   - 4.6 + 3.12 = _____
   - 7.8 - 2.55 = _____

8. Word Problem:
   Sophie has $12.75. She buys a toy for $4.50 and a book for $3.25. How much money does Sophie have left?

   _____

Part 4: Multiplication and Division with Decimals

9. Solve the following problems:
   - 0.9 × 5 = _____
   - 0.3 × 7 = _____
   - 5.4 ÷ 2 = _____
   - 4.8 ÷ 0.4 = _____

10. Word Problem:
    A box of cookies costs $2.50. If you buy 5 boxes, how much will it cost in total?

    _____

Part 5: Word Problems with Decimals

11. Word Problem:
    A pizza costs $8.99. If you buy two pizzas, how much do you need to pay?

    _____

12. Word Problem:

There is 9.4 liters of juice in a container. If 4.5 liters are used, how much juice is left in the container?

_____

Bonus Challenge

13. Challenge Problem:
    A farmer has 3.75 kg of apples and 2.4 kg of pears. How much fruit does the farmer have in total?

_____

This worksheet helps grade 4 students practice a range of decimal operations, including comparing, ordering, adding, subtracting, multiplying, and dividing decimals. It also includes practical word problems for real-life application of decimal concepts!

—BE CHAMPION—