

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

Instructions: Solve the following problems. Show your work, and write your answers in the spaces provided.

Part 1: Decimal Place Value

1. What is the place value of the 5 in the number 4.56?

2. Write the following decimal numbers in expanded form:

- 3.42 = _____

- 8.63 = _____

3. Identify the place values:

- In the number 6.781, the digit 7 is in the _____ place.

- In the number 5.903, the digit 9 is in the _____ place.

Part 2: Comparing and Ordering Decimals

4. Circle the larger number:

- 0.76 or 0.67

- 0.99 or 0.9

- 0.81 or 0.815

5. Order the following decimals from smallest to largest:

- 0.5, 0.6, 0.25, 0.9

6. Fill in the blank with the correct symbol (<, >, or =):

- 0.8 _____ 0.75

- 1.1 _____ 1.12

$$- 0.25 \text{ ____ } 0.5$$

Part 3: Addition and Subtraction with Decimals

7. Solve the following problems:

$$- 3.6 + 2.4 = \underline{\hspace{2cm}}$$

$$- 7.75 - 4.5 = \underline{\hspace{2cm}}$$

$$- 9.3 + 0.7 = \underline{\hspace{2cm}}$$

$$- 6.45 - 3.25 = \underline{\hspace{2cm}}$$

8. Word Problem:

Emily buys a shirt for \$12.45 and a pair of shoes for \$15.75. How much did she spend in total?

Part 4: Multiplication and Division with Decimals

9. Solve the following problems:

$$- 0.9 \times 3 = \underline{\hspace{2cm}}$$

$$- 0.5 \times 6 = \underline{\hspace{2cm}}$$

$$- 4.8 \div 2 = \underline{\hspace{2cm}}$$

$$- 3.6 \div 0.3 = \underline{\hspace{2cm}}$$

10. Word Problem:

A chocolate bar costs \$2.25. If you want to buy 4 chocolate bars, how much will it cost?

Part 5: Word Problems with Decimals

11. Word Problem:

Lily has \$15.50. She buys a toy for \$5.75 and a book for \$3.40. How much money does Lily have left?

12. Word Problem:

A farmer harvested 7.85 kilograms of apples and 3.25 kilograms of pears. How much fruit did the farmer harvest in total?

Bonus Challenge

13. Challenge Problem:

Sarah is making a fruit salad with 0.85 kg of strawberries, 1.2 kg of bananas, and 0.75 kg of apples. How much fruit does she have in total?

This worksheet offers an intermediate level of difficulty for grade 4 students, with a variety of decimal problems to solve, including addition, subtraction, multiplication, and division, along with practical word problems!

—BE CHAMPION—