

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

Instructions: Solve the problems below. Show your work where required and write your answers in the spaces provided.

**Part 1: Decimal Place Value**

1. Write the value of each digit:

- In the number 7.582, what is the value of the digit 5? \_\_\_\_\_
- In the number 3.607, what is the value of the digit 6? \_\_\_\_\_

2. True or False:

- The value of the digit 9 in 8.924 is nine-tenths. \_\_\_\_\_
- The value of the digit 2 in 5.123 is two-hundredths. \_\_\_\_\_

**Part 2: Comparing and Ordering Decimals**

3. Compare the following decimals and write  $>$ ,  $<$ , or  $=$ :

- 0.6 \_\_\_\_\_ 0.59
- 0.75 \_\_\_\_\_ 0.78
- 0.5 \_\_\_\_\_ 0.45

4. Order the following decimals from smallest to largest:

- 0.32, 0.6, 0.51, 0.22

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**Part 3: Decimal Addition and Subtraction**

5. Solve these problems:

- $2.4 + 3.5 =$  \_\_\_\_\_
- $6.75 - 2.3 =$  \_\_\_\_\_
- $5.2 + 1.7 =$  \_\_\_\_\_

6. Word Problem:

Emma has \$3.75. She buys a pencil for \$1.25 and a notebook for \$2.50. How much money does Emma have left? \_\_\_\_\_

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#### **Part 4: Multiplication and Division with Decimals**

7. Solve these problems:

-  $0.5 \times 2 =$  \_\_\_\_\_

-  $0.8 \times 3 =$  \_\_\_\_\_

-  $6 \div 0.2 =$  \_\_\_\_\_

8. Word Problem:

A box of crayons costs \$4.50. If you want to buy 5 boxes, how much will it cost?

\_\_\_\_\_

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#### **Part 5: Decimal Word Problems**

9. Word Problem:

A jug holds 4.5 liters of juice. If you drink 1.75 liters, how much juice is left in the jug?

\_\_\_\_\_

10. Word Problem:

A farmer harvested 12.8 kilograms of apples and 5.4 kilograms of pears. How much fruit did the farmer harvest in total? \_\_\_\_\_

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#### **Bonus Challenge**

11. Challenge Problem:

Sarah is making a fruit salad with 0.75 kg of strawberries, 0.6 kg of bananas, and 0.45 kg of grapes. How much fruit does Sarah have in total? \_\_\_\_\_

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This worksheet provides a solid challenge for grade 4 students, requiring them to not only practice addition, subtraction, and comparison of decimals, but also to apply their skills in real-world situations and perform operations like multiplication and division with decimals.

**—BE CHAMPION—**