

Grade 4 Math Worksheet: Fractions(Difficulty Level: Advanced)

Name: _____

Date: _____

Part 1: Like & Unlike Fractions

1. Circle the **like fractions** in the group below:

$$\frac{6}{9}, \frac{4}{9}, \frac{3}{9}, \frac{7}{9}$$

2. Circle the **unlike fractions** in the group below:

$$\frac{3}{5}, \frac{7}{10}, \frac{8}{5}, \frac{2}{5}$$

3. Arrange the following fractions in order from smallest to largest:

$$\frac{7}{8}, \frac{3}{8}, \frac{5}{8}, \frac{1}{8}$$

Part 2: Proper, Improper, and Mixed Fractions

4. Identify whether each fraction is **proper**, **improper**, or a **mixed fraction**.

a) $\frac{6}{7}$ _____

b) $\frac{10}{3}$ _____

c) $2\frac{1}{2}$ _____

d) $\frac{13}{12}$ _____

e) $4\frac{5}{6}$ _____

5. Convert the following **improper fractions** to **mixed fractions**:

a) $\frac{22}{5} =$ _____

b) $\frac{27}{8} =$ _____

6. Convert the following **mixed fractions** to **improper fractions**:

a) $2\frac{4}{9} =$ _____

b) $6\frac{1}{5} =$ _____

Part 3: Word Problems

7. Olivia has $5\frac{1}{3}$ meters of ribbon. She uses $2\frac{2}{5}$ meters to make a bow. How much ribbon is left?

8. A swimming pool is $8\frac{1}{2}$ meters long and $4\frac{2}{3}$ meters wide. What is the total perimeter of the pool?

Bonus Challenge

10. A box has a length of $7\frac{1}{4}$ inches, a width of $5\frac{1}{2}$ inches, and a height of $2\frac{3}{4}$ inches. What is the volume of the box in cubic inches?

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