

## PRACTICE WORKSHEET 1: FRACTIONS | CLASS 5 MATHEMATICS

### Multiple Choice Questions (MCQs)

- Which of the following is an improper fraction?
  - $\frac{3}{4}$
  - $\frac{5}{3}$
  - $\frac{7}{8}$
  - $\frac{1}{2}$
- What is the reciprocal of  $\frac{5}{6}$ ?
  - $\frac{6}{5}$
  - $\frac{5}{6}$
  - $\frac{1}{6}$
  - $\frac{1}{5}$
- Which fraction is equivalent to  $\frac{2}{3}$ ?
  - $\frac{4}{6}$
  - $\frac{3}{5}$
  - $\frac{6}{9}$
  - Both a and c
- If  $\frac{2}{5} + \frac{1}{5} = X$ , what is X?
  - $\frac{1}{5}$
  - $\frac{2}{10}$
  - $\frac{3}{5}$
  - $\frac{5}{5}$
- What is the product of  $\frac{3}{4}$  and 2?
  - $\frac{6}{4}$
  - $\frac{1}{4}$
  - $\frac{3}{8}$
  - $\frac{1}{2}$

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### Fill in the Blanks

- A fraction is in its lowest term when the numerator and denominator have no \_\_\_\_\_ other than 1.
  - The fraction equivalent to  $\frac{3}{7}$  with a denominator of 21 is \_\_\_\_\_.
  - When comparing like fractions, the fraction with the \_\_\_\_\_ numerator is larger.
  - The reciprocal of a fraction is obtained by \_\_\_\_\_ the numerator and the denominator.
  - The product of  $\frac{1}{2}$  and  $\frac{3}{4}$  is \_\_\_\_\_.
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### True or False

1.  $\frac{4}{6}$  is an equivalent fraction of  $\frac{2}{3}$ .
  2. A mixed number can be converted into an improper fraction.
  3. The reciprocal of 1 is 1.
  4. Dividing a whole number by a fraction always results in a whole number.
  5. Multiplication of two proper fractions always gives a product smaller than both the fractions.
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### Direct Numerical Questions

1. Find the equivalent fraction of  $\frac{5}{8}$  with a numerator of 15.
  2. Reduce  $\frac{36}{48}$  to its lowest term.
  3. Add  $\frac{7}{9}$  and  $\frac{2}{9}$ .
  4. Subtract  $\frac{3}{4}$  from  $\frac{5}{4}$ .
  5. Multiply  $\frac{4}{5}$  by  $\frac{3}{7}$ .
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### Word Problems

1. Rina baked a cake and cut it into 12 pieces. She ate 3 pieces and gave 5 to her friends. What fraction of the cake is left?
2. A tank is filled with  $\frac{7}{8}$  of water. If  $\frac{1}{4}$  of the water is used, how much water is left in the tank?
3. Ravi has  $\frac{5}{6}$  kg of sugar. He used  $\frac{2}{3}$  kg for making sweets. How much sugar is left?
4. A ribbon of length  $\frac{3}{4}$  meter is cut into 3 equal parts. What is the length of each part?
5. A basket contains  $\frac{6}{7}$  kg of apples. If each apple weighs  $\frac{1}{14}$  kg, how many apples are there in the basket?

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### Answer Key with Explanations

#### Multiple Choice Questions (MCQs)

1. b)  $\frac{5}{3}$  - Improper fractions have numerators greater than denominators.
2. a)  $\frac{6}{5}$  - The reciprocal of  $\frac{5}{6}$  is obtained by swapping numerator and denominator.
3. d) Both a and c - Both  $\frac{4}{6}$  and  $\frac{6}{9}$  are equivalent to  $\frac{2}{3}$ .
4. c)  $\frac{3}{5}$  - Add the numerators of like fractions.
5. a)  $\frac{6}{4}$  - Multiply the numerator by the whole number.

#### Fill in the Blanks

1. Common factor.
2.  $\frac{9}{21}$ .
3. Larger.
4. Swapping.
5.  $\frac{3}{8}$ .

#### True or False

1. True.
2. True.
3. True.
4. False - Dividing by a fraction does not always result in a whole number.
5. True.

#### Direct Numerical Questions

1.  $\frac{15}{24}$ .
2.  $\frac{3}{4}$ .
3.  $\frac{9}{9} = 1$ .
4.  $\frac{2}{4} = \frac{1}{2}$ .
5.  $\frac{12}{35}$ .

#### Word Problems

1.  $\frac{4}{12} = \frac{1}{3}$  of the cake is left.
2.  $\frac{7}{8} - \frac{1}{4} = \frac{5}{8}$ .
3.  $\frac{5}{6} - \frac{2}{3} = \frac{1}{6}$  kg of sugar is left.
4.  $\frac{3}{4} \div 3 = \frac{1}{4}$  meter.
5.  $\frac{6}{7} \div \frac{1}{14} = 12$  apples.