

Maths-7

Chapter 3: Fractions –Worksheet

A. Multiple Choice Questions (MCQs)

1. Which of the following is a proper fraction?

- A) $\frac{7}{3}$ B) $\frac{5}{5}$ C) $\frac{3}{8}$ D) $\frac{9}{2}$

2. Equivalent fraction of $\frac{3}{4}$ is:

- A) $\frac{6}{8}$ B) $\frac{9}{4}$ C) $\frac{1}{2}$ D) $\frac{12}{3}$

3. The reciprocal of $\frac{2}{9}$ is:

- A) $\frac{9}{2}$ B) $\frac{2}{9}$ C) $-\frac{9}{2}$ D) $\frac{1}{(\frac{2}{9})}$

4. The value of $\frac{1}{3} + \frac{1}{6}$ is:

- A) $\frac{1}{9}$ B) $\frac{1}{2}$ C) $\frac{2}{3}$ D) $\frac{1}{6}$

5. Which of these is an unlike fraction?

- A) $\frac{2}{5}$ & $\frac{3}{5}$ B) $\frac{1}{7}$ & $\frac{5}{7}$ C) $\frac{3}{4}$ & $\frac{2}{3}$ D) $\frac{4}{9}$ & $\frac{1}{9}$

B. Fill in the Blanks

1. Fractions having the same denominator are called _____ fractions.

2. The reciprocal of $\frac{5}{7}$ is _____.

3. To add unlike fractions, we make the denominators _____.

4. A fraction greater than 1 is called a _____ fraction.

5. The fraction representing shaded parts of a whole is known as a _____.

C. Short Answer Questions

1. Convert $\frac{7}{3}$ into a mixed fraction.
2. Simplify: $\frac{5}{12} + \frac{7}{18}$
3. Subtract: $\frac{3}{4} - \frac{2}{5}$
4. Multiply: $\frac{2}{3} \times \frac{9}{10}$
5. Divide: $\frac{4}{5} \div \frac{2}{3}$

D. Word Problems

1. Riya drank $\frac{3}{8}$ litres of juice in the morning and $\frac{1}{4}$ litres in the evening. How much did she drink in all?
2. A rope is $\frac{7}{9}$ m long. Rohan cuts off $\frac{2}{9}$ m. How much rope is left?
3. A box contains $\frac{3}{5}$ kg of sweets. If $\frac{1}{10}$ kg is eaten, how much is remaining?
4. A ribbon of length 4 m is cut into pieces of $\frac{1}{6}$ m each. How many pieces are obtained?
5. By what number should $\frac{3}{4}$ be multiplied to get $\frac{9}{16}$?