

A. Fill in the blanks :

1. _____ fractions have different denominators.

2. Two fractions are said to be _____ if they have the same value.

3. $\frac{3}{4} = \frac{\square}{16}$

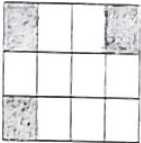
4. Compare : a) $\frac{3}{7} \square \frac{3}{9}$ b) $\frac{4}{8} \square \frac{2}{8}$

5. Multiplicative inverse of $\frac{2}{3}$ is _____.

6. Any fraction $\times 0 =$ _____

7. The improper fraction of $3\frac{1}{5}$ is _____.

8. _____ fractions are those fractions whose numerator is less than its denominator.

9.  The fraction of shaded region is _____

10. A fraction that has 1 as a numerator is called a _____ fraction.

B. Choose the correct options:

1. $\frac{5}{7} \times 1 =$

a) 0 b) 1 c) $\frac{5}{7}$

2. Multiplicative inverse of $4\frac{2}{5}$ is

a) $\frac{22}{5}$ b) $\frac{5}{22}$ c) $\frac{5}{13}$

3. $\frac{3}{6}, \frac{4}{7}, \frac{1}{5}$ - the given fractions are

a) like fractions b) improper fractions c) unlike fractions

4. $\frac{3}{8} \times \frac{4}{8} =$ _____

a) $\frac{3}{16}$ b) $\frac{3}{8}$ c) $\frac{3}{64}$

C. Compare using $<$, $>$ or $=$

1) $\frac{5}{7} \square \frac{4}{14}$ 2) $\frac{4}{6} \square \frac{8}{9}$

D. Solve: 1) $\frac{3}{6} + \frac{2}{6}$ 2) $\frac{5}{10} + \frac{1}{6}$ 3) $2\frac{3}{4} + 2\frac{2}{3}$

4) $\frac{2}{3} - \frac{1}{2}$ 5) $\frac{5}{8} - \frac{1}{2}$ 6) $5\frac{2}{5} - 2\frac{3}{5}$ 7) $4\frac{3}{4} - \frac{1}{2}$

E. Simplify: 1) $\frac{5}{66} \times \frac{11}{15}$ 2) $21 \times 2\frac{1}{7}$ 3) $\frac{3}{5}$ of 215

F. Divide the following: 1) $\frac{5}{8} \div \frac{10}{6}$ 2) $3 \div 2\frac{3}{6}$

G. Arrange the fractions in ascending order:

1) $\frac{1}{6}, \frac{2}{3}, \frac{1}{5}, \frac{2}{6}$ 2) $\frac{3}{4}, \frac{5}{6}, \frac{6}{24}, \frac{2}{3}$

H. Reduce the following fractions to their lowest form.

1) $\frac{15}{25}$ 2) $\frac{18}{24}$

I. Solve :

1) A recipe needs $\frac{3}{5}$ cup of milk and $\frac{1}{3}$ cup of sugar. How much more milk than sugar is required?

2) A rope $9\frac{2}{4}$ m long was divided into 19 pieces of equal length. Find the length of each piece.

3) Meena bought $\frac{1}{5}$ kg potato, $\frac{3}{4}$ kg of brinjal, $\frac{1}{2}$ kg onion. What is the total weight of the vegetables bought by her?