

Tender Heart High School, Sec-33B, Chandigarh

Class - V

Date - 15.07.24

Subject - Maths

Teacher - Ms. Sushma

Chapter - 4 Fractions

Exercise 4.7.

A. Multiply.

(i) $\frac{1}{2} \times 50$

Soln:- $\frac{1}{2} \times \frac{50}{1} = \frac{50}{2} = 25 \text{ Ans.}$

(ii) $\frac{3}{4} \times 16$

Soln:- $\frac{3}{4} \times \frac{16}{1} = \frac{3 \times 16}{4 \times 1} = \frac{48}{4} = 12 \text{ Ans.}$

(iii) $\frac{3}{2} \times 18 = \frac{3 \times 18}{2} = \frac{54}{2} = 27 \text{ Ans.}$

(iv) $\frac{3}{8} \times 1 = \frac{3}{8} \times \frac{1}{1} = \frac{3}{8} \text{ Ans.}$

(v) $\frac{4}{9} \times 0 = 0$

(vi) $\frac{2}{25} \times 100 = \frac{2 \times 100}{25} = \frac{200}{25} = 8 \text{ Ans.}$

B. Find.

1. $\frac{4}{9}$ of ₹ 63

Soln:- $\frac{4}{9} \times 63 = \frac{4 \times 63}{9} = \frac{252}{9} = ₹ 28 \text{ Ans.}$

2. $\frac{5}{10}$ of ₹ 120

Soln:- $\frac{5}{10} \times \frac{120}{1} = \frac{600}{10} = 60$

Ans = ₹ 60

3. $\frac{8}{5}$ of 50 paise

Soln:- $\frac{8}{5} \times \frac{50}{1} = \frac{400}{5} = 80$

Ans = 80 paise

4. $\frac{6}{8}$ of 32 g

Soln:- $\frac{6}{8} \times \frac{32}{1} = \frac{192}{8} = 24$

Ans = 24 g

5. $\frac{5}{4}$ of 20 cm

Soln:- $\frac{5}{4} \times \frac{20}{1} = \frac{100}{4} = 25$

Ans = 25 cm

Multiplying a fraction by a fraction.

Divide the numerators and the denominators by common factors and then multiply.

Ex 4.8

Q1. Multiply and write the product in its lowest term. Use the short method wherever possible.

$$1. \frac{\cancel{8}^2}{\cancel{9}_3} \times \frac{\cancel{3}^1}{\cancel{4}_1} = \frac{2 \times 1}{3 \times 1} = \frac{2}{3} \text{ Ans.}$$

$$2. \frac{9}{20} \times \frac{2}{7} = \frac{\cancel{9} \times \cancel{2}^1}{\cancel{20} \times 7} = \frac{9}{70} \text{ Ans.}$$

$$3. \frac{2}{3} \times \frac{0}{4} = \frac{2 \times 0}{3 \times 4} = 0 \text{ Ans.}$$

$$4. \frac{7}{9} \times \frac{21}{35} = \frac{\cancel{7}^1 \times \cancel{21}^7}{\cancel{9}_3 \times \cancel{35}_5} = \frac{1 \times 7}{3 \times 5} = \frac{7}{15} \text{ Ans.}$$

$$5. \frac{1}{2} \times \frac{2}{3} \times \frac{3}{4} = \frac{1 \times \cancel{2} \times \cancel{3}}{\cancel{2} \times \cancel{3} \times 4} = \frac{1}{4} \text{ Ans.}$$

$$6. \frac{2}{3} \times \frac{0}{2} \times \frac{3}{5} = \frac{2 \times 0 \times 3}{3 \times 2 \times 5} = 0 \text{ Ans.}$$

$$7. \frac{6}{1} \times 2\frac{2}{3} \times \frac{1}{8} = \frac{\cancel{6}^2}{1} \times \frac{\cancel{8}^1}{\cancel{3}_1} \times \frac{1}{\cancel{8}_1} = 2 \text{ Ans.}$$