

Multiplication of Fractions

1. Fill in the blanks:-

A. $\frac{2}{5} \times 0 =$ _____

B. $\frac{9}{11} \times$ _____ $= \frac{9}{11}$

C. $2\frac{7}{8} \times 1 =$ _____

D. $\frac{9}{7} \times \frac{1}{5} \times \frac{1}{5}$

2. Find the value of:-

A. $\frac{1}{5}$ of a rupee

B. $\frac{2}{5}$ of 1 kg

C. $\frac{1}{5}$ of meter

D. $\frac{3}{5}$ of a liter

E. $\frac{1}{4}$ of 6 k

F. $\frac{4}{10}$ of ₹ 6 kg

G. $\frac{3}{4}$ of 2 hr 40 min.

H. $\frac{9}{5}$ of 800 ml

3. Find:-

A. $\frac{5}{9}$ of 729

B. $\frac{15}{60}$ of 480

C. $\frac{7}{15}$ of 225

D. $\frac{3}{8}$ of $\frac{4}{9}$

4. Answer the following questions :-

A. How much is 6 times $\frac{5}{12}$?

B. How much is 7 times $\frac{1}{12}$?

C. How much is 5 times $\frac{6}{25}$?

5. Multiply

A. $\frac{39}{76}$ and $\frac{2}{13}$

B. $\frac{6}{17}$ and $\frac{51}{72}$

C. $\frac{18}{19}$ and $\frac{57}{90}$

D. $\frac{3}{11}$ and $\frac{121}{333}$

6. Simplify:-

A. $1\frac{2}{3} \times 2\frac{3}{5} - 1\frac{2}{3} \times \frac{1}{5}$

B. $5\frac{2}{3} \times 5\frac{3}{4} + \frac{2}{8} \times 1\frac{1}{2}$

7. When we multiply a proper and an improper fraction, the product, we get, is less than the improper fraction and greater than the proper fraction. Give two examples to verify the given statement.

8. Give two examples to prove that when two proper fractions are multiplied, the product is less than each of the fractions.

9. Fill in the blank boxes:-

A. $\frac{13}{5} \times \frac{2}{\square} = \frac{26}{10}$

B. $\frac{25}{9} \times \frac{\square}{9} = \frac{\square}{81}$

10. Mr. Chawla's monthly salary is 2400. If he spends $\frac{3}{8}$ of it, find the money spent by him.

11. In a school, one-third of the students go by bus, one quarter of them walk to the school and the remaining use their own conveyance. If the total number of students in the school are 2800. Find the number of students:-

- A. Going by bus
- B. Walking to school
- C. Using own conveyance

12. Kavita's mom has 2.5 litres of apple juice. She gave one-fifth of this to each of her five friends. What quantity is consumed by each of her friends?

13. For a particular show of a movie, each ticket costs ₹ $48\frac{1}{2}$. If 390 tickets are sold for the show, how much amount has been collected?

14. There are 56 students in a class and $\frac{7}{8}$ of the students are boys. How many girls are there in the class?