

1. Multiply and reduce to its simplest form:

a. $\frac{1}{4} \times 6 =$ _____

b. $\frac{20}{25} \times 7 =$ _____

2. Multiply and reduce to its simplest form:

a. $\frac{4}{16} \times \frac{8}{12} =$ _____

b. $\frac{1}{6} \times \frac{7}{4} =$ _____

3. Multiply and express as a mixed number:

a. $4\frac{1}{2} \times 2\frac{3}{4} =$ _____

b. $3\frac{1}{5} \times 4\frac{1}{3} =$ _____

4. Divide and reduce to its simplest form:

a. $\frac{6}{9} \div \frac{2}{9} =$ _____

b. $\frac{8}{15} \div \frac{4}{12} =$ _____

5. Simplify:

a. $\frac{2}{10} \div \frac{8}{5} \div \frac{16}{15} =$ _____

b. $\left(\frac{3}{4} \times \frac{16}{9}\right) \div \frac{8}{6} =$ _____

6. In a bouquet of 24 flowers, $\frac{1}{6}$ are white flowers. How many of them are non-white flowers?

7. A vendor had 100 eggs. Out of these, $\frac{1}{10}$ were spoilt. He sold $\frac{2}{3}$ of the remaining eggs. How many eggs were left with him?

8. Vikas had 16 marbles. If Simon had $1\frac{1}{2}$ times as many, how many did he have?

9. In a school, $\frac{1}{10}$ of the students learnt French as the optional language. Of these, $\frac{1}{3}$ were girls. If 80 boys studied French, what is the total number of students in the school?

10. In a class, $\frac{4}{5}$ of the students liked to watch TV. $\frac{3}{4}$ of them preferred sports channels. What is the fraction of students who preferred sports channels in the entire class?