

Chapter – 1 | Fractions In Disguise

QUIZ-01

1. The symbol % is read as:

- A. Per ratio
- B. Per cent
- C. Per fraction
- D. Per decimal (B)

Explanation : The symbol % is read as “per cent”, meaning out of 100.

2. What percentage is equivalent to the fraction $\frac{3}{4}$?

- A. 25%
- B. 50%
- C. 75% (C)
- D. 80%

Explanation : $\frac{3}{4} = \frac{75}{100} = 75\%$.

3. The fraction $\frac{2}{5}$ expressed as a percentage is:

- A. 20%
- B. 30%
- C. 40% (C)
- D. 50%

Explanation : $\frac{2}{5} \times 100 = 40\%$.

4. The fraction represented by 24% is:

- A. $\frac{24}{10}$
- B. $\frac{24}{100}$
- C. $\frac{12}{10}$
- D. $\frac{24}{50}$ (B)

Explanation : Any percentage can be written as a fraction with denominator 100.

5. If 15 out of 25 marbles are white, what percentage are white?

- A. 40%
- B. 50%
- C. 60% (C)
- D. 75%

Explanation : $\frac{15}{25} \times 100 = 60\%$.

6. To express a fraction as a percentage, we multiply it by:

- A. 10
- B. 50
- C. 100
- D. 1000 (C)

Explanation : Percentage means “per hundred”.

7. What is 25% of 120?

- A. 25
- B. 30
- C. 35
- D. 40 (B)

Explanation : $25\% = \frac{1}{4}$, and $\frac{1}{4}$ of 120 = 30.

8. Which decimal is equivalent to 50%?

- A. 0.05
- B. 0.5
- C. 5.0
- D. 0.25 (B)

Explanation : $50\% = \frac{50}{100} = 0.5$.

9. A cyclist has completed 40% of a journey and covered 92 km. How many kilometres remain?

- A. 92 km
- B. 115 km
- C. 138 km
- D. 230 km (C)

Explanation : Total distance = 230 km, so remaining distance = $230 - 92 = 138$ km.

10. A shopkeeper's target sales are ₹5000. If sales are ₹6000, the target achieved is:

- A. 100%
- B. 110%
- C. 120%
- D. 150% (C)

Explanation : $\frac{6000}{5000} \times 100 = 120\%$.