

CHAPTER-1 | Fractions In Disguise

QUIZ
PART-06

1. Which percentage is equal to one-fourth of a quantity?

- A. 5%
B. 10%
C. 20%
D. 25% (D)

Explanation : One-fourth of a quantity is equal to 25% because $\frac{1}{4} \times 100 = 25\%$.

2. Which percentage of 100 is equal to 25?

- A. 10%
B. 20%
C. 25%
D. 50% (C)

Explanation: 25% of 100 = 25.

3. What is 10% of 200?

- A. 10
B. 20
C. 25
D. 40 (B)

Explanation: 10% means one-tenth. One-tenth of 200 is 20.

4. What is 20% of 50?

- A. 5
B. 10
C. 15
D. 20 (B)

Explanation: 20% of 50 = $(20/100) \times 50 = 10$.

5. What is 5% of 80?

- A. 2
B. 4
C. 6
D. 8 (B)

Explanation : 5% of 80 = $(5/100) \times 80 = 4$.

6. What is 25% of 200?

- A. 25
B. 40
C. 50
D. 75 (C)

Explanation : 25% means one-fourth. One-fourth of 200 is 50.

7. What relationship exists among 20%, 5%, and 25% of a value?

- A. $20\% + 5\% = 25\%$
B. $20\% - 5\% = 25\%$
C. $20\% \times 5\% = 25\%$
D. $25\% \div 5\% = 20\%$ (A)

Explanation : Adding 20% and 5% gives 25% of the same value.

8. Using the observation above, 15% of a value can be found by adding:

- A. $5\% + 5\%$
B. $10\% + 5\%$
C. $20\% + 5\%$
D. $25\% + 5\%$ (B)

Explanation : $15\% = 10\% + 5\%$, which helps in mental calculations.

9. What is 10% of 35?

- A. 2.5
B. 3.5
C. 4.5
D. 5.5 (B)

Explanation : 10% of 35 = 3.5.

10. Which of the following percentages is suggested for mental calculation in the chapter?

- A. 75%
B. 13%
C. 17%
D. 23% (A)

Explanation : The chapter discusses mental calculation of percentages such as 75%, 90%, 70%, and 55%.