

CHAPTER-1 | Fractions In Disguise

QUIZ PART-05

1. Madhu's biscuits contained what percentage of sugar?
A. 15%
B. 20%
C. 25%
D. 35% (C)

Explanation : The chapter states that Madhu's biscuits contained 25% sugar.

2. Madhav's biscuits contained what percentage of sugar?
A. 25%
B. 30%
C. 35%
D. 40% (C)

Explanation: Madhav's biscuits contained 35% sugar.

3. If Madhu ate 120 g of biscuits, how much sugar did she consume?
A. 20 g
B. 25 g
C. 30 g
D. 35 g (C)

Explanation: 25% of 120 g = $(25/100) \times 120 = 30$ g.

4. If Madhav ate 95 g of biscuits, how much sugar did he consume?
A. 30.25 g
B. 33.25 g
C. 35.25 g
D. 38.25 g (B)

Explanation: 35% of 95 g = $(35/100) \times 95 = 33.25$ g.

5. Who consumed more sugar?
A. Madhu
B. Madhav
C. Both consumed equal sugar
D. Cannot be determined (B)

Explanation : Madhu consumed 30 g sugar, while Madhav consumed 33.25 g sugar. Therefore, Madhav consumed more sugar.

6. The percentage of a quantity is calculated by:
A. Percentage $\times$ Quantity
B. Quantity $\div$ Percentage
C. Percentage/100 $\times$ Quantity
D. Quantity $\times$ 100 (C)

Explanation : To find a percentage of a quantity, multiply the quantity by the percentage divided by 100.

7. What is 45% of z equal to?
A. $45 \times z$
B. $45/100 \times z$
C. $z/45$
D. $100/45 \times z$ (B)

Explanation : 45% means 45 per 100, so 45% of z = $(45/100) \times z$.

8. What is 50% of 120 g?
A. 30 g
B. 45 g
C. 60 g
D. 90 g (C)

Explanation : 50% means half. Half of 120 g is 60 g.

9. Lucky got 90 marks out of 120. What is his percentage?
A. 60%
B. 65%
C. 70%
D. 75% (D)

Explanation : $(90/120) \times 100 = 75\%$.

10. What is 75% of 120 g?
A. 60 g
B. 75 g
C. 90 g
D. 120 g (C)

Explanation : 75% of 120 g = $(75/100) \times 120 = 90$ g.