

CHAPTER-2 | ARITHMETIC EXPRESSIONS

QUIZ
PART-20

1. Total mangoes supplied in one day by Rahim and Shyam is:

- A. 18 kg
- B. 19 kg
- C. 20 kg
- D. 21 kg (C)

Explanation: Rahim supplies 9 kg and Shyam supplies 11 kg each day, so total per day is $9 + 11 = 20$ kg.

2. Expression for mangoes supplied in one week is:

- A. $7 \times (9 + 11)$
- B. $7 + 9 + 11$
- C. $9 \times 11 \times 7$
- D. $7 \times (11 - 9)$ (A)

Explanation: In one day they supply $9 + 11$ kg, and the market works all 7 days of the week.

3. Total mangoes supplied in one week is:

- A. 120 kg
- B. 130 kg
- C. 140 kg
- D. 150 kg (C)

Explanation: $7 \times (9 + 11) = 7 \times 20 = 140$ kg.

4. Binu's total monthly expenses are:

- A. ₹10,000
- B. ₹11,000
- C. ₹12,000
- D. ₹13,000 (C)

Explanation: ₹5,000 + ₹5,000 + ₹2,000 = ₹12,000.

5. Binu's monthly savings are:

- A. ₹6,000
- B. ₹7,000
- C. ₹8,000
- D. ₹9,000 (C)

Explanation: Monthly savings = ₹20,000 - ₹12,000 = ₹8,000.

6. Expression for Binu's savings in one year is:

- A. $12 \times (20000 + 5000 + 5000 + 2000)$
- B. $12 \times (20000 - 5000 - 5000 - 2000)$
- C. $20000 - 12 \times (5000 + 5000 + 2000)$
- D. $12 \times 20000 - 5000 - 5000 - 2000$ (B)

Explanation: First find one month's saving, then multiply by 12 months.

7. Amount saved by Binu in one year is:

- A. ₹84,000
- B. ₹90,000
- C. ₹96,000
- D. ₹1,00,000 (C)

Explanation: ₹8,000 saved per month $\times 12 =$ ₹96,000.

8. The snail's net progress in one full day and night is:

- A. 1 cm
- B. 2 cm
- C. 3 cm
- D. 5 cm (A)

Explanation: It climbs 3 cm in the day and slips 2 cm at night, so net gain is 1 cm.

9. After 7 nights, the snail is at:

- A. 6 cm
- B. 7 cm
- C. 8 cm
- D. 9 cm (B)

Explanation: Net gain per full day-night cycle is 1 cm, so after 7 nights it reaches 7 cm.

10. The snail gets the treat in:

- A. 7 days
- B. 8 days
- C. 9 days
- D. 10 days (B)

Explanation: After 7 nights it is at 7 cm. On the 8th day it climbs 3 cm and reaches 10 cm, so it gets the treat before slipping again.