

CHAPTER-6 | Perimeter and Area

QUIZ
PART-06

1. Akshi runs on the:

- A. inner rectangular track
- B. outer rectangular track
- C. circular track
- D. triangular track (B)

Explanation: The chapter says Akshi runs along the outer track.

2. Toshi runs on the:

- A. outer rectangular track
- B. inner rectangular track
- C. square track
- D. zig-zag track (B)

Explanation: Toshi runs along the inner track.

3. What is the perimeter of Akshi's rectangular track?

- A. 180 m
- B. 200 m
- C. 220 m
- D. 240 m (C)

Explanation: Akshi's track has length 70 m and breadth 40 m. Perimeter = $2 \times (70 + 40) = 220$ m.

4. What distance does Akshi cover in 5 rounds?

- A. 1000 m
- B. 1050 m
- C. 1100 m
- D. 1260 m (C)

Explanation: One round = 220 m, so 5 rounds = $5 \times 220 = 1100$ m.

5. What is the perimeter of Toshi's rectangular track?

- A. 160 m
- B. 180 m
- C. 200 m
- D. 220 m (B)

Explanation: Toshi's track has length 60 m and breadth 30 m. Perimeter = $2 \times (60 + 30) = 180$ m.

6. What distance does Toshi cover in 7 rounds?

- A. 1080 m
- B. 1180 m
- C. 1260 m
- D. 1320 m (C)

Explanation: One round = 180 m, so 7 rounds = $7 \times 180 = 1260$ m.

7. Who runs a longer total distance?

- A. Akshi
- B. Toshi
- C. Both run the same
- D. Cannot be known (B)

Explanation: Akshi runs 1100 m, while Toshi runs 1260 m. So Toshi runs farther.

8. By how much does Toshi run more than Akshi?

- A. 120 m
- B. 140 m
- C. 160 m
- D. 180 m (C)

Explanation: Difference = $1260 - 1100 = 160$ m.

9. Which rectangle has the greater perimeter: (i) $7 \text{ m} \times 6 \text{ m}$ or (ii) $8 \text{ m} \times 5 \text{ m}$?

- A. (i)
- B. (ii)
- C. both have the same
- D. cannot be known (C)

Explanation: Perimeter of (i) = $2 \times (7 + 6) = 26$ m and perimeter of (ii) = $2 \times (8 + 5) = 26$ m. So both are equal.

10. Which statement is correct?

- A. A bigger length always gives a bigger perimeter
- B. Rectangles with different side lengths can still have the same perimeter
- C. Only squares can have equal perimeters
- D. Perimeter depends only on breadth (B)

Explanation: The two rectangles $7 \text{ m} \times 6 \text{ m}$ and $8 \text{ m} \times 5 \text{ m}$ have different side lengths, but both have perimeter 26 m.