

CHAPTER-8 | Playing with Construction

QUIZ
PART-15

1. In Q3, what is the length of AB?

- A. 4 cm
B. 6 cm
C. 8 cm
D. 10 cm (C)

Explanation: Step (i) says $AB = 8$ cm, so the large outer figure is based on an 8 cm side.

2. In Q3, AD and BC are each equal to:

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

Explanation: Step (i) says $AD = BC = 8$ cm, making ABCD a square.

3. The square ABCD is divided into 16 smaller squares by drawing parallel lines at intervals of:

- A. 1 cm
B. 2 cm
C. 3 cm
D. 4 cm (B)

Explanation: Step (ii) says lines are drawn every 2 cm, creating a 4×4 grid of 16 small squares.

4. In Q3, four small squares near corner A are combined to form a larger square of side:

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

Explanation: Four 2 cm squares together form a larger square of side 4 cm.

5. After removing the inner sides of those four squares, diagonals are drawn in how many remaining small squares?

- A. 4
B. 8
C. 10
D. 12 (D)

Explanation: Out of 16 small squares, 4 are merged into one larger square, so 12 small squares remain for drawing diagonals.

6. In Q4, what is the length of AB?

- A. 4 cm
B. 5 cm
C. 6 cm
D. 8 cm (C)

Explanation: Step (i) says $AB = 6$ cm.

7. In Q4, AD and BC are each equal to:

- A. 3 cm
B. 4 cm
C. 5 cm
D. 6 cm (D)

Explanation: The construction marks $AD = BC = 6$ cm, so the outer figure is a square.

8. In Q4, which diagonals are drawn to locate the centre O?

- A. AB and CD
B. AD and BC
C. AC and BD
D. AO and BO (C)

Explanation: Step (ii) says AC and BD are drawn, and their intersection gives the centre O.

9. In Q4, the circle-like hole is drawn with centre O and radius:

- A. 2 cm
B. 3 cm
C. 4 cm
D. 6 cm (B)

Explanation: Step (iii) says to draw it with O as centre and radius 3 cm.

10. Which statement is correct about the issue in Q4?

- A. The figure inside is exactly a square
B. The figure inside is shown as a true circle
C. The text says circle, but the drawing looks oval
D. The centre O lies outside the square (C)

Explanation: The wording says "circular hole," but the drawn shape looks oval/ellipse-like, so the wording and figure do not perfectly match.