

CHAPTER-8 | Playing with Construction

QUIZ
PART-16

1. In Q5, 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.

2. In Q5, AD and BC are each equal to:

- A. 4 cm
B. 6 cm
C. 8 cm
D. 12 cm (C)

Explanation: The outer figure is a square, so $AD = BC = 8$ cm.

3. Points E, F, G, and H are marked so that $AE = BF = CG = DH =$

- A. 2 cm
B. 3 cm
C. 4 cm
D. 8 cm (C)

Explanation: Step (ii) gives all these lengths as 4 cm.

4. Point O is the intersection point of:

- A. AC and BD
B. HF and EG
C. AB and CD
D. AD and BC (B)

Explanation: Step (ii) says O is where HF and EG intersect.

5. In Q5, how many smaller squares are formed inside the big square?

- A. 2
B. 3
C. 4
D. 8 (C)

Explanation: The lines divide the big square into 4 equal smaller squares.

6. The circles drawn inside the smaller squares have radius:

- A. 1 cm
B. 1.5 cm
C. 2 cm
D. 4 cm (B)

Explanation: Step (iv) says to draw circles of radius 1.5 cm.

7. In Q6, the square has side length:

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

Explanation: The chapter states that it is a square with side length 8 cm.

8. In Q6, points E, F, G, and H are marked so that each given segment is:

- A. 2 cm
B. 3 cm
C. 4 cm
D. 8 cm (C)

Explanation: Step (ii) says $AE = BF = CG = DH = 4$ cm.

9. In Q6, FI and HJ are each equal to:

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

Explanation: Step (iii) says $FI = HJ = 4$ cm.

10. What is the wording error in Q6 step (iv)?

- A. It says square instead of rectangle
B. It says radius instead of diameter
C. It says inside the circle, but no circle is present
D. It says 8 cm instead of 4 cm (C)

Explanation: The figure is a square with curves, not a circle, so "inside the circle" is incorrect wording.