

CHAPTER-8 | Playing with Construction

QUIZ
PART-14

1. In part (A), what is the length of AB?

- A. 3 cm
 - B. 4 cm
 - C. 5 cm
 - D. 7 cm
- (B)

Explanation: Step (A)(i) says to draw $AB = 4$ cm.

2. In part (A), AD is marked equal to:

- A. 3 cm
 - B. 4 cm
 - C. 5 cm
 - D. 7 cm
- (B)

Explanation: The first square has side 4 cm, so $AD = 4$ cm.

3. In part (A), BC and CE are each equal to:

- A. 3 cm
 - B. 4 cm
 - C. 5 cm
 - D. 7 cm
- (B)

Explanation: Step (A)(i) gives $BC = CE = 4$ cm.

4. In part (A), line DC is extended to point F such that $CF =$

- A. 3 cm
 - B. 4 cm
 - C. 5 cm
 - D. 7 cm
- (B)

Explanation: Step (A)(ii) says $CF = 4$ cm.

5. In part (A), FG and GH are each:

- A. 2 cm
 - B. 3 cm
 - C. 4 cm
 - D. 5 cm
- (C)

Explanation: Step (A)(ii) says $FG = GH = 4$ cm.

6. In part (A), GI is marked equal to:

- A. 3 cm
 - B. 4 cm
 - C. 5 cm
 - D. 7 cm
- (B)

Explanation: Step (A)(iii) says $GI = 4$ cm.

7. In part (B), the first square has side:

- A. 3 cm
 - B. 4 cm
 - C. 5 cm
 - D. 7 cm
- (D)

Explanation: The figure in part (B) clearly shows the first square is of side 7 cm.

8. In part (B), CE and CF are each equal to:

- A. 3 cm
 - B. 4 cm
 - C. 5 cm
 - D. 7 cm
- (C)

Explanation: Step (B)(i) and (ii) show $CE = 5$ cm and $CF = 5$ cm for the second square.

9. In part (B), GH and GI are each equal to:

- A. 3 cm
 - B. 4 cm
 - C. 5 cm
 - D. 7 cm
- (A)

Explanation: The top square in part (B) has side 3 cm, so $GH = GI = 3$ cm.

10. What is the main difference between part (A) and part (B)?

- A. Part (A) uses rectangles
 - B. Part (A) has equal squares, part (B) has unequal squares
 - C. Part (B) has no perpendiculars
 - D. Part (A) has only two squares
- (B)

Explanation: Part (A) uses three equal squares of side 4 cm, while part (B) uses squares of side 7 cm, 5 cm, and 3 cm.