

CHAPTER-6 | Perimeter and Area

QUIZ
PART-13

1. Which two shapes have the same area?
A. A and B
B. A and C
C. B and D
D. C and F (A)

Explanation: From the figure, A and B are the two large equal pieces.

2. Which two smallest pieces have equal area?
A. C and E
B. D and F
C. A and G
D. B and D (A)

Explanation: C and E are the two smallest equal triangular pieces.

3. Shape D is how many times the area of Shape C?
A. 1 time
B. 2 times
C. 3 times
D. 4 times (B)

Explanation: D has double the area of C.

4. Which group has equal area?
A. C, D, E
B. D, F, G
C. A, C, E
D. B, D, G (B)

Explanation: D, F, and G each have the same area in the figure.

5. Which shape has more area: D or F?
A. D
B. F
C. Both are equal
D. Cannot say (C)

Explanation: D and F are equal in area.

6. Which shape has more area: F or G?
A. F
B. G
C. Both are equal
D. Cannot say (C)

Explanation: F and G have equal area.

7. Which shape has the greatest area?
A. C
B. D
C. E
D. A (D)

Explanation: A is one of the two largest pieces in the square.

8. If the area of C is 1 unit, then the area of D is:
A. 1
B. 2
C. 4
D. 8 (B)

Explanation: D is double of C, so its area is 2 units.

9. If the area of C is 1 unit, then the area of A is:
A. 2
B. 3
C. 4
D. 5 (C)

Explanation: A is one of the large pieces, each equal to 4 times C.

10. The area of the big square in terms of Shape C is:
A. 8C
B. 12C
C. 16C
D. 20C (C)

Explanation: Adding all seven pieces gives the full square, which equals 16 times the area of C.