

CHAPTER-1 | A Square and A Cube

QUIZ
PART-06

1. How many square numbers are there between 200 and 400?

- A. 4
B. 5
C. 6
D. 7 (C)

Explanation: 225, 256, 289, 324, 361, and 400 are square numbers.

2. Which is not a triangular number?

- A. 15
B. 21
C. 10
D. 17 (D)

Explanation: 17 is not in the triangular number pattern.

3. What is the largest square less than 1000?

- A. 900
B. 961
C. 980
D. 1000 (B)

Explanation: $31^2=961$, and $32^2=1024$

4. What is $1+3$?

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

Explanation: $1+3=4=2^2$.

5. What is $3+6$?

- A. 6
B. 9
C. 12
D. 15 (B)

Explanation: $3+6=9=3^2$.

6. What is $6+10$?

- A. 12
B. 14
C. 16
D. 18 (C)

Explanation: $6+10=16=4^2$.

7. Which is a triangular number?

- A. 11
B. 12
C. 15
D. 17 (C)

Explanation: 15 is a triangular number.

8. How many square numbers are there from 1 to 100?

- A. 8
B. 9
C. 10
D. 11 (C)

Explanation: 1^2 to 10^2 are 10 square numbers.

9. Which square number lies between 801 and 900?

- A. 784
B. 841
C. 729
D. 961 (B)

Explanation: $29^2=841$.

10. What comes after triangular numbers 1, 3, 6, 10?

- A. 12
B. 14
C. 15
D. 16 (C)

Explanation: Add 5 to 10, so the next triangular number is 15.