

CHAPTER-1 | A Square and A Cube

QUIZ
PART-04

1. What is the units digit of $(525)^2$?

- A. 2
- B. 4
- C. 5
- D. 6 (C)

Explanation : $5^2 = 25$, so the units digit is 5.

2. Which option is correct?

- A. $100^2 = 1000$
- B. $200^2 = 20000$
- C. $300^2 = 60000$
- D. $250^2 = 62500$ (D)

Explanation: $250 \times 250 = 62500$.

3. How many zeros are at the end of $(1200)^2$?

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

Explanation: $1200^2 = 1440000$, which has 4 zeros at the end.

4. If a number ends with 3 zeros, its square ends with:

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

Explanation: The number of ending zeros doubles after squaring.

5. If a number has 1 in the units place, its square ends in:

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

Explanation : $1^2 = 1$, so the square ends in 1.

6. If a number has 9 in the units place, its square ends in:

- A. 1
- B. 3
- C. 7
- D. 9 (A)

Explanation : $9^2 = 81$, so the square ends in 1.

7. Which square has 6 in the units place?

- A. 34^2
- B. 38^2
- C. 82^2
- D. 74^2 (A)

Explanation : A number ending in 4 or 6 has a square ending in 6.

8. Which number has a square ending in 4?

- A. 21
- B. 22
- C. 25
- D. 29 (B)

Explanation : $2^2 = 4$, so a number ending in 2 has square ending in 4.

9. What is 40^2 ?

- A. 400
- B. 800
- C. 1600
- D. 4000 (C)

Explanation : $40 \times 40 = 1600$.

10. Squares ending in zeros always have:

- A. Odd number of zeros
- B. Even number of zeros
- C. One zero only
- D. Three zeros only (B)

Explanation : Squaring doubles the number of zeros at the end.