

## EXERCISE

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In each of the questions, 1 to 24, write the correct answer from the given four options.

1. 196 is the square of

- (a) 11                      (b) 12                      (c) 14                      (d) 16

Solution:-

(c) 14

Square of 196 is,  
 $= 14 \times 14 = 196$

2. Which of the following is a square of an even number?

- (a) 144                      (b) 169                      (c) 441                      (d) 625

Solution:-

(a) 144

Square of even number is 144,  
 $= 12 \times 12 = 144$

3. A number ending in 9 will have the units place of its square as

- (a) 3                      (b) 9                      (c) 1                      (d) 6

Solution:-

(c) 1

Because, the square of a number having 1 or 9 at the units place ends in 1.  
Example: -  $11 \times 11 = 121$

4. Which of the following will have 4 at the units place?

- (a)  $14^2$                       (b)  $62^2$                       (c)  $27^2$                       (d)  $35^2$

Solution:-

(b)  $62^2$

Because, the square of a number having 2 or 8 at the units place ends in 4.  
 $62 \times 62 = 3844$

5. How many natural numbers lie between  $5^2$  and  $6^2$ ?

- (a) 9                      (b) 10                      (c) 11                      (d) 12

Solution:-

(b) 10

The natural numbers lie between  $5^2$  and  $6^2$  i.e. 25 and 36 are,  
26, 27, 28, 29, 30, 31, 32, 33, 34 and 35

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