

Properties of Cube of Numbers

A. Choose the correct answer:

1. The cube of an odd number is.

- a) Always even
- b) Always odd
- c) Sometimes even
- d) Sometimes odd

2. The cube of an even number is.

- a) Always odd
- b) Always even
- c) Sometimes odd
- d) None of these

3. Which of the following numbers is a perfect cube.

- a) 125
- b) 150
- c) 100
- d) 175

4. The cube of a negative number is.

- a) Positive
- b) Negative
- c) Zero
- d) Either positive or negative

5. The cube of a number ending in 5 will end in.

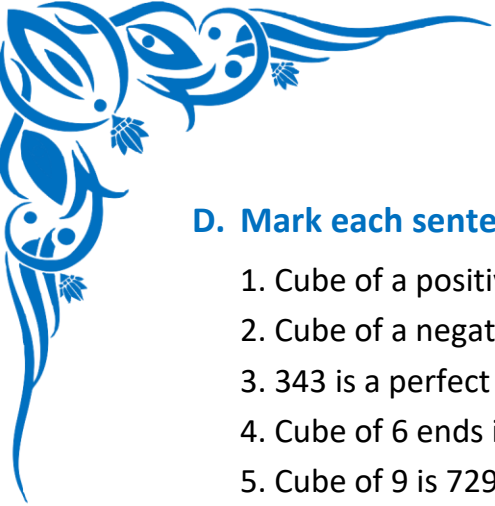
- a) 0
- b) 1
- c) 5
- d) 5 or 0

B. Write the Missing Terms to Complete the Sentences:

1. The cube of any positive integer is always _____.
2. The cube of any negative integer is always _____.
3. If a number ends in 2, its cube ends in _____.
4. A cube number can have _____ digits.
5. The cube of 0 is _____.

C. Figure out the answers to these questions:

1. Find the cube of (-4) and state whether it is positive or negative.
2. Find the unit digit of the cube of 7.
3. Write all properties of cubes for even and odd numbers.
4. If the cube of a number is 512, find whether the number is odd or even.
5. Find the cube of $\frac{3}{2}$.



D. Mark each sentence with a True (✓) or False (X):

1. Cube of a positive number is always positive. _____
2. Cube of a negative number is always positive. _____
3. 343 is a perfect cube. _____
4. Cube of 6 ends in 6. _____
5. Cube of 9 is 729. _____

E. Challenge yourself with these questions:

1. Find the cube of 8 and describe its properties.
2. Write two properties of cube of negative numbers.
3. Find the cube of -7 .
4. State the pattern in unit digit of cubes from 1 to 9.
5. Is 1728 a perfect cube If yes, find its cube root.