Cubes

A. Choose the correct answer:

1. The cube of 5 is
    a) 25   b) 125
    c) 15   d) 75

2. Which of the following is a perfect cube
    a) 27   b) 32
    c) 36   d) 40

3. The cube of an even number is always
    a) odd   b) Even
    c) Prime   d) Composite

4. $(-3)^3$ is equal to
    a) −27   b) 27
    c) −9   d) 9

5. The cube of a negative number is always
    a) Positive   b) Negative
    c) Either positive or negative   d) Zero

B. Write the Missing Terms to Complete the Sentences:

1. The cube of 2 is _____.
2. 1^3 equals _____.
3. The cube of an odd number is always an _____ number.
4. 64 is the cube of _____.
5. The cube of 0 is _____.

C. Figure out the answers to these questions:

1. Find the cube of 7.
2. List all perfect cubes between 1 and 200.
3. Find the value of $(-5)^3$.
4. If the cube of a number is 343, find the number.
5. Find the cube of $\frac{1}{2}$.

D. Mark each sentence with a True (✔) or False (✗):

1. The cube of 4 is 64. ____

2. Every cube number is greater than the number itself. ____

3. The cube of 0 is 1. ____

4. 512 is a perfect cube. ____

5. The cube of any negative number is positive. ____

E. Challenge yourself with these questions:

1. Find the cube of 11.

2. Write the cubes of first five odd natural numbers.

3. What is the unit digit of 9^3?

4. Is 729 a perfect cube If not, give reason.

5. Find the cube of $\frac{3}{5}$.