

St. Andrews Scots Sr. Sec. School

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Session: 2025-2026 - Worksheet

Class: VIII

Subject: Maths

Topic: Cubes and Cube Roots

Worksheet No:08

Multiple Choice Questions

Q1. The one's digit of the cube of 53 is:

- (a) 9
- (b) 3
- (c) 7
- (d) 1

Q2. The cube of an odd natural number is

- (a) even
- (b) odd
- (c) may be even, may be odd
- (d) prime number.

Q3. The number of zeroes at the end of the cube of the number 20 is

- (a) 1
- (b) 2
- (c) 3
- (d) 6.

Q4. Which of the following is false ?

- (a) Cube of any odd number is odd
- (b) A perfect cube does not end with two zeroes
- (c) The cube of a single digit number may be a single digit number
- (d) There is no perfect cube which ends with 8.

Q5. Cube root of 512 is:

- (a) 4
- (b) 6
- (c) 8
- (d) 12

Q6. Each prime factor appears_____times in its cube?

- (a) 2
- (b) 3
- (c) 1
- (d) 4

Q7. Which of the following is not a perfect cube?

- (a) 216
- (b) 343

(c) 125

(d) 108

Q8. The expansion of a^3 is_____.

(a) $3 \times a$

(b) $a+a+a$

(c) $3 \times 3 \times 3$

(d) $a \times a \times a$

Q9. What is the volume of a cube whose edge is 2cm?

(a) 8

(b) 6

(c) 10

(d) 4

Q10. Find the smallest number by which the number 36 must be multiplied to obtain a perfect cube.

(a) 6

(b) 2

(c) 3

(d) 4.