Name _____   Score:

Cube Root Quiz-2

1. Evaluate the cube of a number:

(i) $(8)^3$

(ii) $(15)^3$

(iii) $(21)^3$

(iv) $(60)^3$

2. Evaluate the cube of a decimal number:

(i) $(1.2)^3$

(ii) $(3.5)^3$

(iii) $(0.8)^3$

(iv) $(0.05)^3$

3. Evaluate the cube of a fraction number:

(i) $(4/7)^3$

(ii) $(10/11)^3$

(iii) $(1/15)^3$

(iv) $(1(3/10))^3$

4. Choose from the following numbers that are perfect cubes.

(i) 125

(ii) 243

(iii) 343

(iv) 256

(v) 729

(vi) 1331

(vii) 8000

(viii) 9261

(ix) 5324

(x) 3375

5. Choose the following numbers that are the cubes of even numbers:

(i) 216

(ii) 729

(iii) 512

(iv) 3375

(v) 1000

6. Choose the following numbers that are the cubes of odd numbers:

(i) 125

(ii) 343

(iii) 1728

(iv) 4096

(v) 9261

7. Find the smallest number by which 11979 must be multiplied so that the product is a perfect cube.

8. Find the smallest number by which 8575 must be multiplied so that the product is a perfect cube.

9. What is the smallest number by which 108 must be divided so that the quotient is a perfect cube?

10. Find the smallest number by which 33275 must be divided so that the quotient is a perfect cube.