

Maths Worksheet Class VIII Cubes and Cube Roots

Answer the questions

- (1) What is the value of $(\frac{5}{11})^3$
- (2) If a cube has a surface area of 10086 m^2 , then what is the volume of the cube?
- (3) If you add a number x with another number that is 10 times the value of x , and then take the cube of the sum, what will be the result?
- (4) Which of the following numbers is a perfect cube?
4913, 4100, 514, 1726
- (5) If you subtract a number x from 21 times that number, and then take the cube of the difference, what will be the result?
- (6) What is the value of $\sqrt[3]{\frac{64}{4913}}$
- (7) Calculate the cube root of 512

Choose correct answer(s) from given choice

- (8) Take a number x , and multiply it with 6. Take the cube of the resulting number. What is the ratio of this number to the cube of the original number?
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|---------|----------|
| a. 6:1 | b. 216:6 |
| c. 36:6 | d. 216:1 |
- (9) Solve the following:
- | | |
|--------------------|------------------|
| $\sqrt[3]{-11025}$ | $\sqrt[3]{2835}$ |
| a. -315 | b. 311 |
| c. -99225 | d. 315 |
- (10) Which of the following choices is the value of $\sqrt[3]{-27}$.
- | | |
|-------|--------|
| a. -9 | b. -3 |
| c. 3 | d. -10 |
- (11) Find the value of A if
- | | |
|-------------------------------|-------|
| $\sqrt[3]{6125 \cdot A} = 35$ | |
| a. 7 | b. 10 |
| c. 35 | d. 5 |