Cubes and Cubes Roots Ex 4.5 Q1

Answer :

Because 7 lies between 1 and 100, we will look at the row containing 7 in the column of *x*.

By the cube root table, we have:

$\sqrt[3]{7} = 1.913$

Thus, the answer is 1.913.

Cubes and Cubes Roots Ex 4.5 Q2

Answer :

Because 70 lies between 1 and 100, we will look at the row containing 70 in the column of *x*.

By the cube root table, we have:

$\sqrt[3]{70} = 4.121$

Cubes and Cubes Roots Ex 4.5 Q3

Answer :

We have:

$700 = 70 \times 10$

$\therefore$ Cube root of 700 will be in the column of $\sqrt[3]{10x}$ against 70.

By the cube root table, we have:

$\sqrt[3]{700} = 8.879$

Thus, the answer is 8.879.

Cubes and Cubes Roots Ex 4.5 Q4

Answer :

We have:

$7000 = 70 \times 100$

$\therefore \sqrt[3]{7000} = \sqrt[3]{7 \times 1000} = \sqrt[3]{7} \times \sqrt[3]{1000}$

By the cube root table, we have:

$\sqrt[3]{7} = 1.913 \quad \text{and} \quad \sqrt[3]{1000} = 10$

$\therefore \sqrt[3]{7000} = \sqrt[3]{7} \times \sqrt[3]{1000} = 1.913 \times 10 = 19.13$

********** END **********