

I. Answer in one word:

1. 1729 / 4104 / 13832 2. $\sqrt[3]{\quad}$ 3. Cube numbers 4. 6

5. Three times

II. Solve the following:

6. $\sqrt[3]{\frac{3 \times 3 \times 3}{5 \times 5 \times 5}} = \frac{3}{5}$

7. a) 571 787

$787 \rightarrow 7 \rightarrow '3'$

$571 \rightarrow$ between 8^3 & 9^3 So we take 8. Ans: '83'

b) 175 616

First group = '175' 5

Second group = '616' 6

Ans: 56

8. $\sqrt[3]{64} \times \sqrt[3]{343} = 4 \times 7 = 28$

9. a) 17 $\overline{)4913}$

17 $\overline{)289}$

17 $\overline{)17}$

1

$17 \times 17 \times 17 = \sqrt[3]{4913} = 17$

b)

3 $\overline{)729}$

3 $\overline{)243}$

3 $\overline{)81}$

3 $\overline{)27}$

3 $\overline{)9}$

3 $\overline{)3}$

1

$\sqrt[3]{729} = 3 \times 3 \times 3 \times 3 \times 3 \times 3$

$= 3 \times 3$

$= 9$