

I. Answer in one word:

1. Volume 2. Cube 3. Pie chart (or) Circle Graph 4. $Q = 8$

II. Answer the following:

5. i)
$$\begin{array}{r} 1 \quad A \quad B \\ C \quad C \quad A \\ \hline 6 \quad 9 \quad 7 \end{array} \quad \rightarrow A = 4, B = 3 \text{ \& } C = 5$$

ii)
$$\begin{array}{r} 1 \quad y \\ \times \quad y \\ \hline 9 \quad 6 \end{array} \quad \rightarrow y = 6$$

6. Let us form a table to draw a pie chart.

	Colour	No. of balloons	In Fractions	Central angle
1	Red	12	$\frac{12}{72}$	$\frac{12}{72} \times 360^\circ = 60^\circ$
2	Yellow	24	$\frac{24}{72}$	$\frac{24}{72} \times 360^\circ = 120^\circ$
3	Green	20	$\frac{20}{72}$	$\frac{20}{72} \times 360^\circ = 100^\circ$
4	Blue	16	$\frac{16}{72}$	$\frac{16}{72} \times 360^\circ = 80^\circ$

Now, let us draw a pie-chart using above table pie – chart (diagram)

7. Let, by given

$$\begin{aligned} \text{Volume of metal} &= \text{Volume of the cuboid} \\ &= 27 \times 18 \times 12 \\ &= 5832 \text{cm}^3 \\ \text{\& Volume of the cube} &= (\text{edge})^3 \\ &= (6)^3 = 216 \text{cm}^3 \\ \therefore \text{No. of cubes} &= \frac{\text{Volume of the cuboid}}{\text{Volume of one cube}} \\ &= \frac{5832}{216} = 27 \text{ cubes} \end{aligned}$$

8. By given,

$$\begin{aligned} \text{Volume of a cube} &= 216 \text{cm}^3 \\ (\text{Side})^3 &= 216 \\ (\text{Side})^3 &= 6^3 \\ \text{Side} &= 6 \text{cm} \end{aligned}$$