

Oct. 18 Sheet

1. Area of square 324 cm^2



$$S = \sqrt{324} = 18 \text{ cm}$$

$$\begin{aligned} A &= l \times w \\ \text{or } S^2 \end{aligned}$$

2. Volume 12167 cm^3

$$\begin{aligned} \text{or } V &= l \times w \times h \\ V &= S^3 \end{aligned}$$

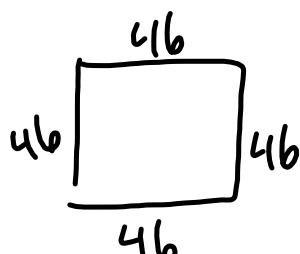
$$\begin{aligned} S^3 &= 12167 \\ \sqrt[3]{12167} &= 23 \text{ cm} \end{aligned}$$

3. Area 2116 cm^2

Square

$$S = \sqrt{2116}$$

$$= 46 \text{ cm}$$



$$\begin{aligned} \text{Perimeter} &= 4 \times 46 \\ &= 184 \text{ cm} \end{aligned}$$

4. S.A of cube 1734 cm^2

$\div 6$ to get area of one square

$$1734 \div 6 = 289 \text{ cm}^2$$

$$\sqrt{289} = 17 \text{ cm } (\text{side measure})$$

5. Volume

$$S^3 = 2197 \text{ cm}^3$$

$$\sqrt[3]{2197} = 13$$

side
measure

$$\begin{aligned} S.A &= 6 \times (l \times w) \\ &= 6(13 \times 13) \\ &= 1014 \text{ cm}^2 \end{aligned}$$

6. volume

$$S^3 = 13824 \text{ cm}^3$$

$$\sqrt[3]{13824} = 24$$

area of one side

$$\begin{aligned} A &= l \times w \\ &= 24 \times 24 = 576 \text{ cm}^2 \end{aligned}$$

7. $S^3 = 39304 \text{ cm}^3$

$$\sqrt[3]{39304} = 34$$

Perimeter one side

$$\begin{aligned} P &= 2l + 2w \\ \text{or } 4(34) &= 136 \text{ cm} \end{aligned}$$