

# ST. VIVEKANAND PUBLIC SCHOOL

Winter Break Homework (2024)

DAY: SATURDAY

CLASS: VIII

DATE: 06-01-2024

SUBJECT: MATHEMATICS

## Chapter 12: Surface Area and Volume

- Find the volume and surface area of cubes with the following edges:  
(a) 6.75 cm    (b) 8.3 cm    (c) 11.2 cm
- Calculate the volume and surface area of a cuboid of dimensions  $11 \text{ cm} \times 17 \text{ cm} \times 20 \text{ cm}$ .
- Calculate the volume, total and curved surface areas of a cylinder, the radius of whose base is 14 cm and height is 9.5 cm.

Complete the table.

		Cube	Cuboid	Cylinder
	Dimension(s)	$s$	$l, b, h$	$r, h$
(a)	TSA			
(b)	LSA			
(c)	Volume			

**NOTE : KINDLY DO THESE QUESTIONS IN YOUR FAIR NOTEBOOK.**