

1076 NADI SANGAM SCHOOL
YEAR 7
MATHEMATICS
WORKSHEET 3

VOLUME OF RECTANGULAR PRISM

Strand	M 3: MEASUREMENT
Sub Strand	M 3.2:Volume /Capacity
Content Learning Outcome	<ul style="list-style-type: none"> ➤ <i>Express volumes and capacities using appropriate units and language of comparison</i> ➤ <i>Estimate, measure and compare capacities using standard unit</i> ➤ <i>Solve word problem in volume</i>

Volume is the amount of space an object occupies

Volume of Rectangular Prism

$V = \text{Area} \times \text{Height}$

$V = L \times W \times H$


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1. Find the volume of each rectangular prism in cubic centimetres.

<p>a.</p>	<p>b.</p>	<p>c.</p>
<p>Hint : length width height</p>		

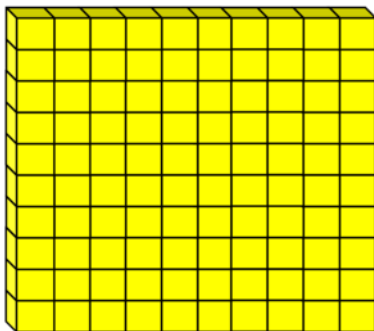
2. Complete the table below:

	Area of base	Length of base	Volume of prism
a	10cm^2	6cm	
b		12cm	180cm^3
c	50cm^2		450cm^3
d		9cm	108cm^3

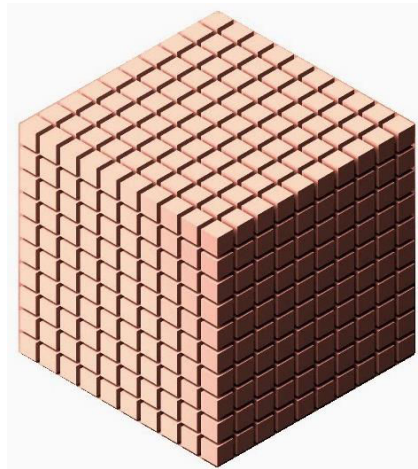
Volume of a cube is  1cm^3



Volume of a stick is 10cm^3



Volume of flat is 100cm^3



Volume of Block is 1000cm^3

3. Find the volume of each set of Dienes blocks.

- a) 5 cubes, 4 sticks and 7 flats
- b) 12 cubes, 7sticks, 1 block and 8 flats
- c) 15 sticks, 15 cubes, 5 flat and 1 block

4. Find the volume

