Ch – 12 Geometry (Lesson-12)

Concept cum Practice as Exit Tickets

Name:

Grade 5 Elite Maths

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United Arab Emirates
Ministry of Education
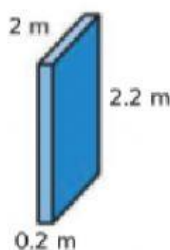
Learning objective – To Find the Volume of Composite Figures

Example 2

Find the volume of the composite figure.

Separate the figure into two prisms.
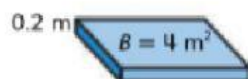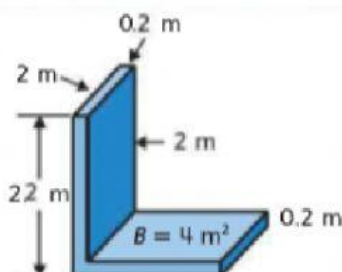Find the volume of each prism.

0.2 m

2 m

2 m

22 m

0.2 m

B = 4 m²

2 m

2.2 m

0.2 m

$V = \ell \times w \times h$

$V = \underline{\quad} \times \underline{\quad} \times \underline{\quad} \longrightarrow V =$ [ ]
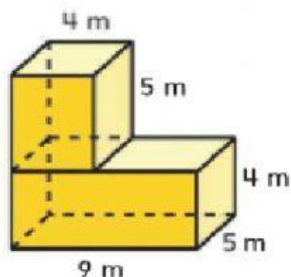
0.2 m   B = 4 m²

$V = B \times h$

$V = \underline{\quad} \times \underline{\quad} \longrightarrow V =$ [ ]

$+$

Add the volumes. The total volume is _____ cubic meters, or [ ] m³.

4.

4 m

5 m

4 m

5 m

9 m

Vol of bottom prism = 9 X _____ X 4

Vol. of bottom prism = _____

Vol of top prism = 5 X _____ X 5

Vol. of top prism = _____

Vol of Composite Prism = _____ + _____

Total vol = _____ _____

5.

7 dm

3 dm

11 dm

1.5 dm

4 dm

6 dm
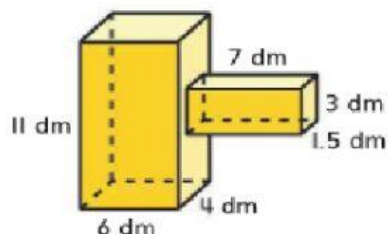
Vol of left prism = 11 X _____ X 4

Vol. of left prism = _____

Vol of right prism = 7 X _____ X 1.5

Vol. of right prism = _____

Vol of Composite Prism = _____ + _____

Total vol = _____ _____