MEASUREMENT • YEAR 8

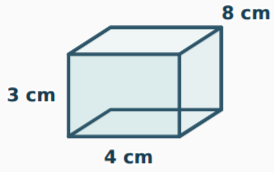
Volume of Cuboids and Prisms

Name _____ **Date** _____

KEY FORMULA **Volume = area of cross-section × length**

For each solid, use the shaded face as the cross-section. Find its area first, then multiply by the prism length. Show your working.

1 CUBOID



Show your working

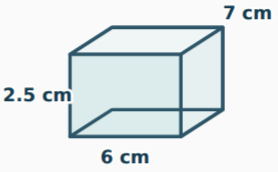
Cross-section area

_____ cm²

Volume

_____ cm³

2 CUBOID



Show your working

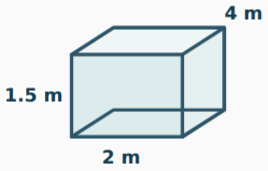
Cross-section area

_____ cm²

Volume

_____ cm³

3 CUBOID



Show your working

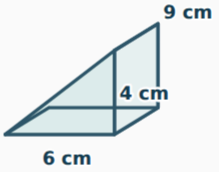
Cross-section area

_____ m²

Volume

_____ m³

4 TRIANGULAR PRISM



Show your working

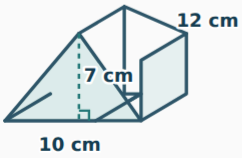
Cross-section area

_____ cm²

Volume

_____ cm³

5 TRIANGULAR PRISM



Show your working

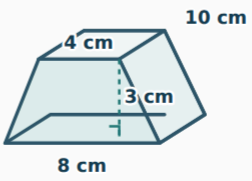
Cross-section area

_____ cm²

Volume

_____ cm³

6 TRAPEZIUM PRISM



Show your working

Cross-section area

_____ cm²

Volume

_____ cm³

Check: volume is measured in cubic units, such as cm³ or m³.