Practice worksheet | Measurement and scale

Volume of composite solids

Name: _____ Date: _____

6 questions | 13 marks

1. A 12 by 6 by 4 cm block has a 4 by 2 by 4 cm hole removed. Find remaining volume. [2 marks]

2. Combine non-overlapping blocks 10 by 8 by 3 cm and 3 by 4 by 5 cm. Find volume. [2 marks]

3. A hollow cylinder has outer radius 5 cm, inner radius 3 cm and height 12 cm. Find material volume. [2 marks]

4. A cylinder radius 3 cm, height 8 cm supports a matching cone of height 4 cm. Find total volume. [3 marks]

5. A semicylindrical solid has radius 2 cm and length 10 cm. Find volume. [2 marks]

6. A container measures 20 by 10 by 8 cm internally. Find capacity in litres. [2 marks]