Practice worksheet | Measurement and scale

Surface area of composite solids

Name: _____ Date: _____

6 questions | 14 marks

1. Two cubes of edge 3 cm share a whole face. Find the exposed area. [2 marks]

2. Two cubes of edge 4 cm share a whole face. Find the exposed area. [2 marks]

3. Join 10 by 6 by 4 cm and 2 by 6 by 4 cm cuboids along their 6 by 4 faces. Find exposed area. [2 marks]

4. A cube of edge 6 cm has a square-pyramid roof with triangular slant height 5 cm. Find exposed area; the square join is hidden. [3 marks]

5. A radius 2 cm, height 5 cm cylinder has a matching hemisphere on top and an exposed flat bottom. Find outside area. [2 marks]

6. A cube of edge 5 cm supports a square-pyramid roof of slant height 7 cm. Find exposed area. [3 marks]