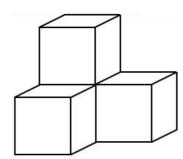
Volume and surface area II

This task is about volume and surface area.



This shape is made up of **four** cubes, all the same size, glued together. Each cube has sides of 5 cm.

- a) If calculated correctly, which expression gives the volume of one cube?
 - (A) $4 \times 4 \times 4$
 - (**B**) $5 \times 5 \times 5$
 - (C) $6 \times 6 \times 6$
 - (**D**) $4 \times 5 \times 6$
 - (E) None of these. The correct expression is
- b) What is the total volume of the four cubes?
 - (**A**) 256 cm^3
 - **(B)** 480 cm^3
 - (**C**) 500 cm^3
 - (**D**) 864 cm^3
 - (**E**) None of these. The volume is _____ cm³
- c) If calculated correctly, which expression gives the area of one face of one cube?
 - (A) $1 \times 3 \times 5$
 - (B) $1 \times 6 \times 5$
 - (C) $1 \times 5 \times 5$
 - (**D**) $6 \times 5 \times 5$
 - (E) None of these. The correct expression is _____
- d) What is the surface area of the six faces of one cube?
 - (**A**) 90 cm²
 - **(B)** 150 cm^2
 - (**C**) 180 cm²
 - (**D**) 900 cm²
 - (**E**) None of these. The surface area is _____ cm²

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