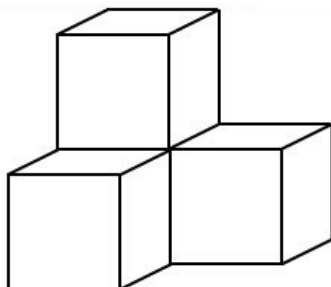


Volume and surface area II

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 _____ cm^3

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 cm^2
- (B) 150 cm^2
- (C) 180 cm^2
- (D) 900 cm^2
- (E) None of these. The surface area is _____ cm^2