and a cube.
d triangles with base 16 cm and height 12 cm.

x cm

x cm

x cm

e volume of the cube.

Volume of prism $= \frac{1}{2}(12 \times 16) \times 18$

$= 1728 \text{ cm}^3$
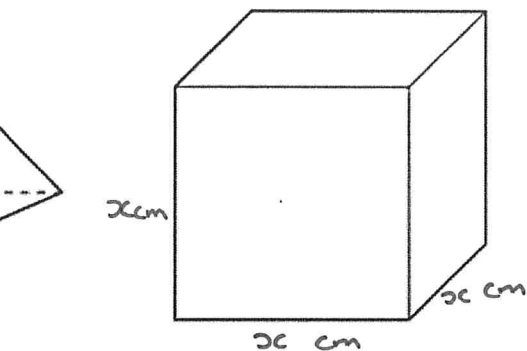
Volume of cube $= x^3$

$x^3 = 1728$

$x = \sqrt[3]{1728}$

$x = 12 \text{ cm}.$

$\therefore$ Surface Area of cube $= 6 \times (12 \times 12)$

$= \underline{864 \text{ cm}^2}$

Higher