Mel has shown her working out below. She is WRONG.

Explain what her mistakes are ….

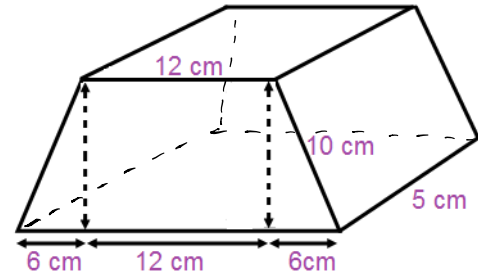# WRONG DIDDLY WRONG!

VOLUME

10 cm

1.2 m

8 cm
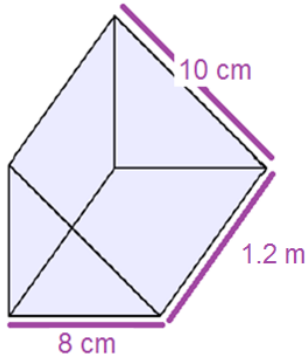
$$Volume = 10 \times 8 \times 1.2$$

$$= 96 \, cm^3$$

obviously not drawn to scale

SURFACE AREA

6 faces. ✓✓ ✓✓✓

12 cm

10 cm

5 cm

6 cm   12 cm   6cm

$$front = \tfrac{1}{2}(18+12) \times 10 = 150 \;+$$

$$back = same\ as\ front = 150 \;+$$

$$top = 12 \times 5 \qquad\qquad = 60 \;+$$

$$base = 18 \times 5 \qquad\qquad = 90 \;+$$

$$left\ slope = 10 \times 5 \qquad = 50 \;+$$

$$right\ slope = 10 \times 5 \qquad = \underline{50}$$

$$550 \, cm^2$$