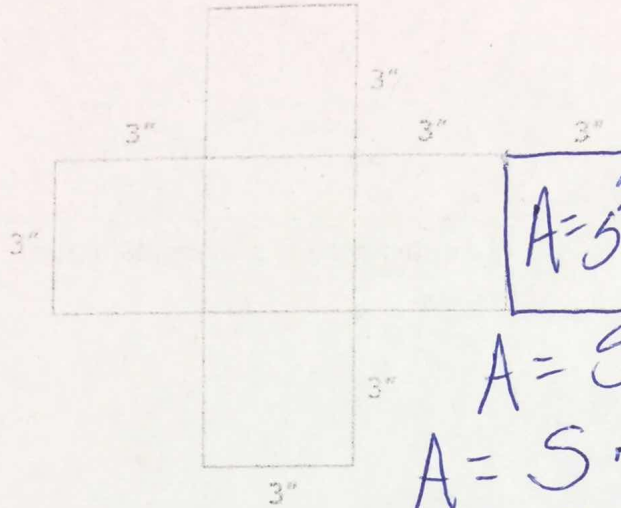


Notes SA.



$$A = s^2$$

$$A = s^2$$

$$A = s \cdot s$$

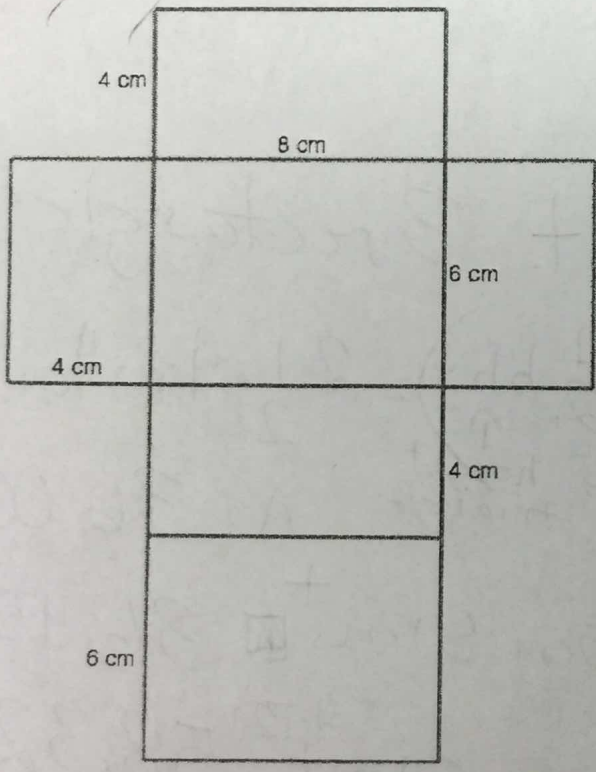
$$A = 3 \text{ in} \cdot 3 \text{ in}$$

$$SA = 6 \cdot 3 \text{ in} \cdot 3 \text{ in} = 54 \text{ in}^2$$

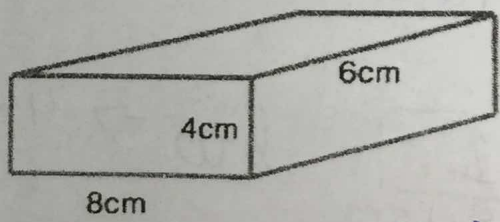
Surface Area

of a

CUBE $6s^2$



Surface Area of
a Rectangular
Prism =



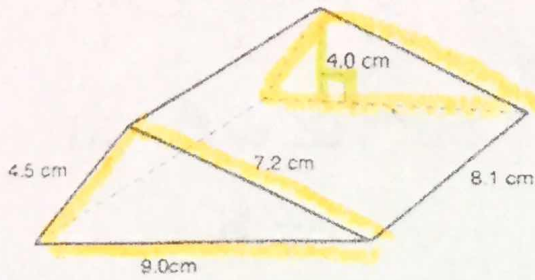
$l = 8 \text{ cm}$
 $w = 6 \text{ cm}$
 $h = 4 \text{ cm}$

$$SA = 2(lw) + 2(wh) + 2(lh)$$

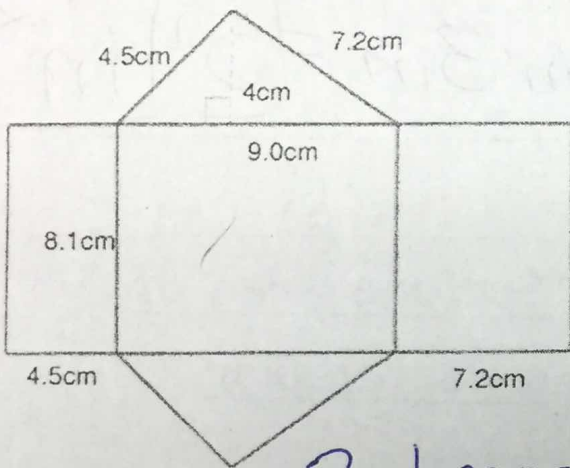
$$SA = 2 \cdot 8 \text{ cm} \cdot 6 \text{ cm} + 2(8 \text{ cm} \cdot 4 \text{ cm}) + 2 \cdot 6 \text{ cm} \cdot 4 \text{ cm}$$

$$SA = 96 \text{ cm}^2 + 64 \text{ cm}^2 + 48 \text{ cm}^2$$

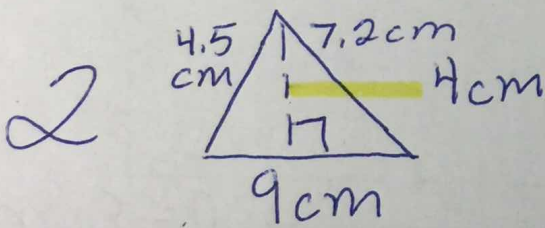
$$SA = 208 \text{ cm}^2$$



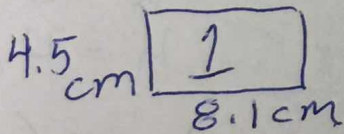
Surface area of a Triangular Prism =



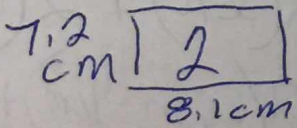
2 triangles + 3 rectangles



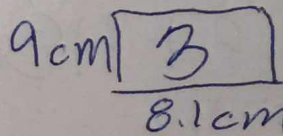
$$2 \cdot \left(\frac{1}{2} b h \right) = 2 \cdot \frac{1}{2} \cdot 9 \text{ cm} \cdot 4 \text{ cm} = \Delta 36.00 \text{ cm}^2$$



$$lw \rightarrow 4.5 \text{ cm} \cdot 8.1 \text{ cm} + \Delta 36.45 \text{ cm}^2$$



$$lw \rightarrow 7.2 \text{ cm} \cdot 8.1 \text{ cm} + \Delta 58.32 \text{ cm}^2$$



$$lw \rightarrow 9 \text{ cm} \cdot 8.1 \text{ cm} + \Delta 72.90 \text{ cm}^2$$

\rightarrow height Prism

$$SA = 203.67 \text{ cm}^2$$