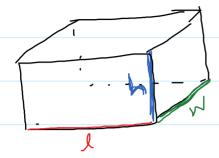
Surface Areas of Objects made from Right Rectangular Prisms

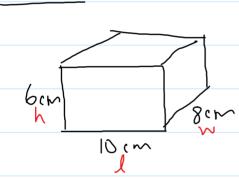
February 17, 2015 9:33 AM



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

the sum of the areas of its 6 rectangular faces

EX.#1



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

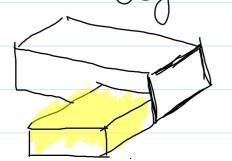
$$= 2(10.8 + 10.6 + 8.6)$$

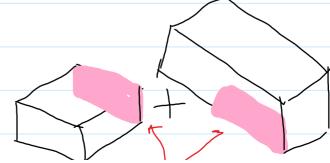
$$= 2(80 + 60 + 48)$$

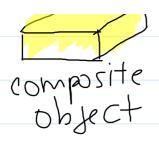
$$= 37.6 cm2$$

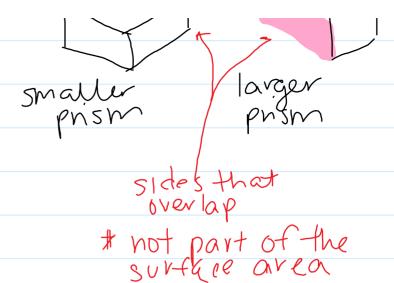
DON'T FORGET

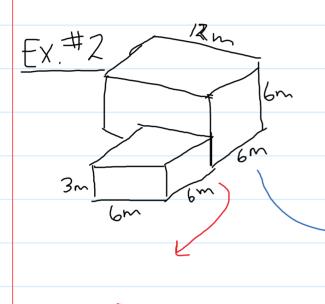
A compostle object is made of 2 or more objects

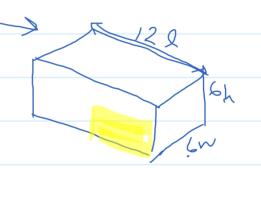












$$SA = 2lw + 2lh + 2wh$$
 $SA = 2(lw + lh + wh)$
= 2.66 + 26.3 + 263 = 2(126 + 126 + 6.6)
= 144 m²

$$SA = 6 \times 3$$
overlap = 18×2

$$= 36 \text{ m}^2$$

$$SA = 144 + 360 - 36$$

= 468 m^2