Finding the sum of all the areas of each face on a 3-D object is called calculating the surface area.



Ex. Calculate the surface area to the nearest tenth of a square centimetre.



9-Surface Area and Volume Page 1



If the above triangular prism was a greenhouse with a dirt floor, how much would it cost to build if glass costs \$65 per square meter.  $|40.1m^2 - 48 = 92.1m^2 \times 65 = $59.86.50$ 

Ex. Calculate the surface area of cube if each face has an area of  $9 \text{ cm}^2$ .



The sum of the edges of a cube is 84 cm, what is the SA?

$$84 \div 12 = 7 edge lengt$$

$$7^{2} \div 49 cm^{2} / face$$

$$49 \times 6 \div 294 cm^{2}$$
Assignment p180 #3,5-8,10-13,15