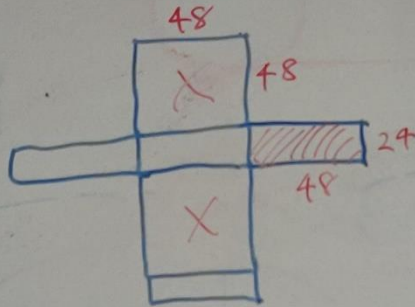


Exercise 2 – Sample Solution (4 golf balls in cardboard box container)

Physical Model



Maths Model

$$\begin{aligned} \text{Area} &= 2x^2 + 2x^2 \\ &= 4x^2 \\ &= 4(48)^2 \\ &= 9216 \text{ mm}^2 \end{aligned}$$

$$x \left(\frac{1}{2}x\right) = \frac{1}{2}x^2$$

$$4 \left(\frac{1}{2}x^2\right) = 2x^2$$

