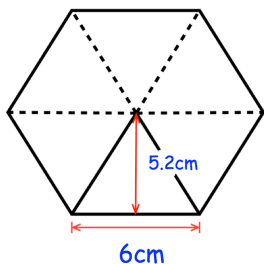


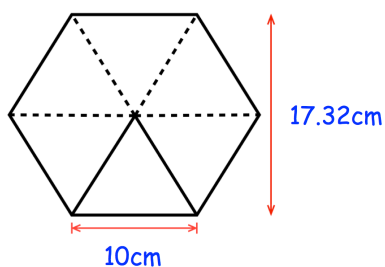
Workout

Question 1: Find the area of each hexagon

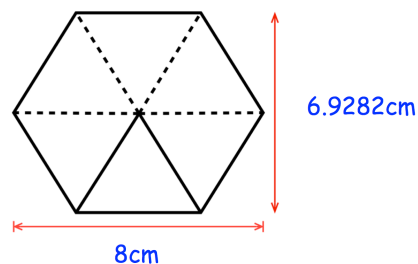
(a)



(b)

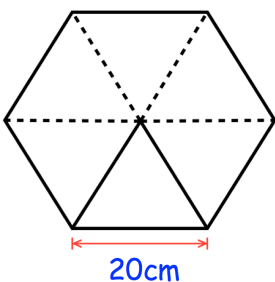


(c)

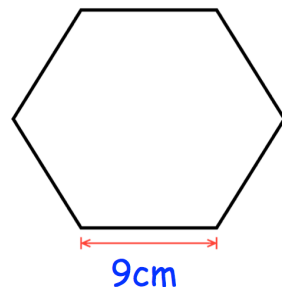


Question 2: Find the area of each hexagon

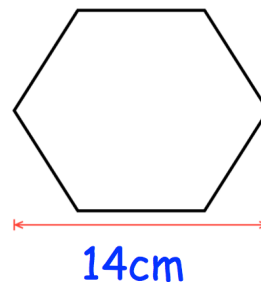
(a)



(b)



(c)



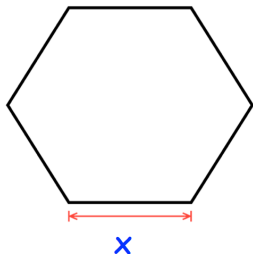
Question 3: Calculate the area of a regular hexagon with side length 13cm.

Question 4: Calculate the area of a regular hexagon with side length 30cm.

Question 5: Find the side length of each hexagon below

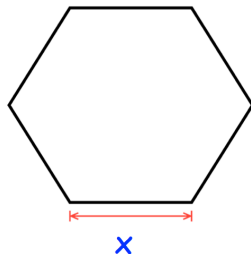
(a)

Area = 100cm^2



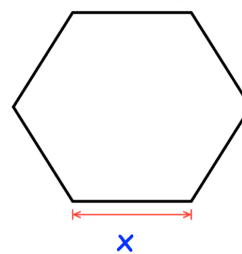
(b)

Area = 480cm^2



(c)

Area = 1m^2



Extension: A formula for the area of a regular hexagon with side length x is given below. Prove this formula.

$$\text{Area} = \frac{3}{2} \sqrt{3} x^2$$