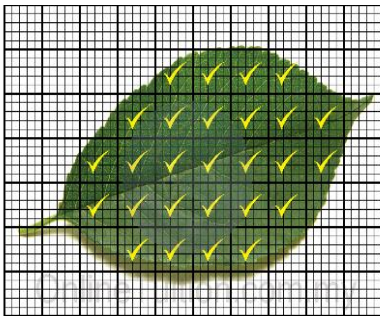


Finding the area of a leaf

A leaf is an irregular shape and therefore can be difficult to find the area. Follow the steps to find out how to complete this measurement.



- ① Place your leaf onto graph paper and trace around the shape.
- ② Count the number of centimetre squares which have over half the leaf in them. Tick these.
- ③ Count the amount of ticks you have placed. This is your area in cm^2 .

★ **Extra Challenge:** Compare your answer using the method below.

- ① Using a ruler measure the length of your leaf.
- ② Measure the width of your leaf with your ruler.
- ③ Estimate the area of the leaf (length x width). Remember your unit is $\text{cm} \times \text{cm} = \text{cm}^2$.

Questions

- ① Compare your value from method 1 to method 2. Did method 2 give you an over or under estimation?
- ② Explain why cm^2 is the unit of area?
- ③ Evaluate each method and decide which is more accurate and why.