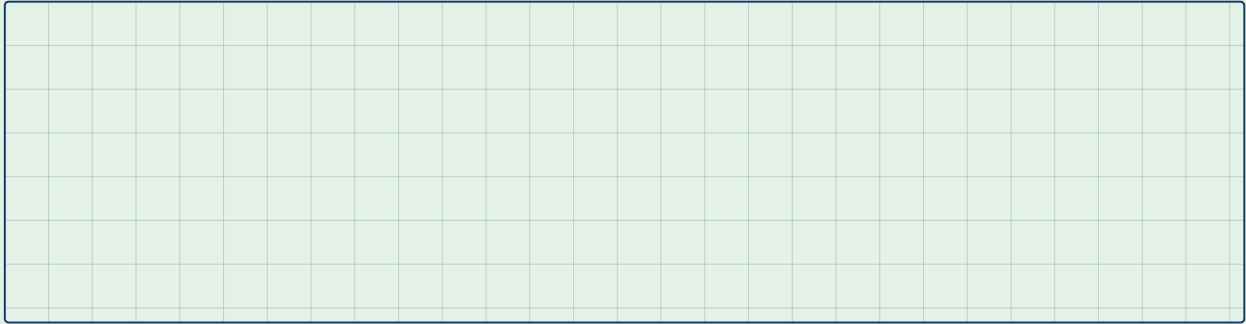


ESTIMATE A LEAF AREA ON GRID

- 1 Count all whole squares inside the outline: there are 24.
- 2 Count part-squares along the edge and keep only those more than half full: there are 8.
- 3 Add the totals to get the estimated area: 24 plus 8.

WARM-UP

Draw and estimate the areas on the squared working space below.



1. Draw a leaf covering 45 whole squares and 12 part-squares then estimate
2. Draw a paw print covering 22 whole squares and 6 part-squares then estimate
3. Draw a wing shape covering 18 whole squares and 4 part-squares then estimate

PRACTICE

- 1 A rabbit ear outline covers **15** whole squares and **5** part-squares on the nature grid.
15 whole + 5 parts = ?

- 2 A fox paw print covers **27** whole squares and **7** part-squares on the squared paper.
27 whole + 7 parts = ?

- 3 A butterfly wing shape covers **16** whole squares and **3** part-squares.
16 whole + 3 parts = ?

- 4 An oak leaf outline covers **38** whole squares and **9** part-squares.
38 whole + 9 parts = ?

? ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- | | |
|--|---|
| a. Counting squares gives the exact area of a leaf. ☐ | c. You count every part-square no matter how small for the area. ☐ |
| b. Two pupils get the same area estimate for the same leaf. ☐ | d. Whole squares are counted as one each in the area estimate. ☐ |