

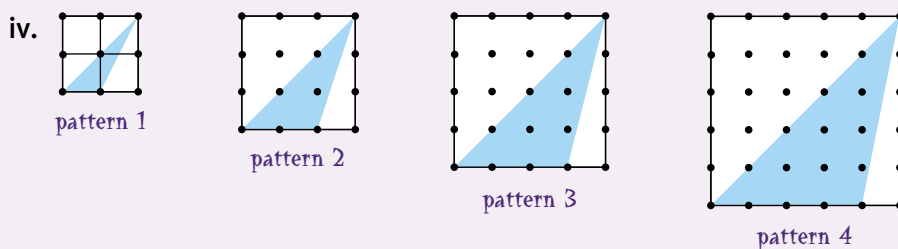
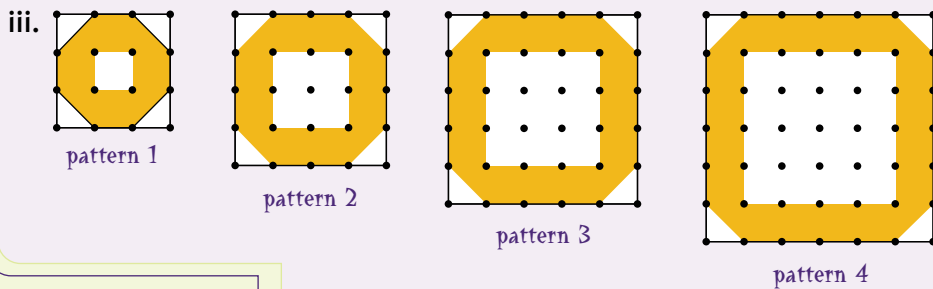
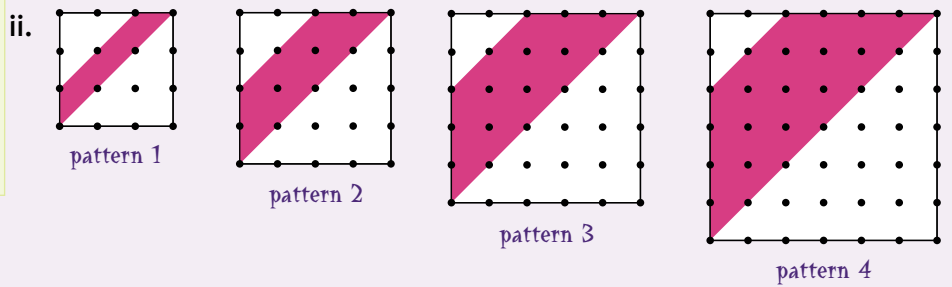
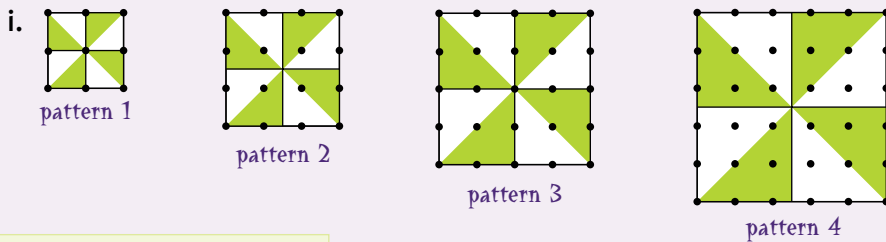


Areas of Interest

You need: geoboards or square dot paper

ACTIVITY

- For each square below, work out the area of the shaded section. Note that  has an area of 1 square unit (1 unit^2) and  has an area of $\frac{1}{2} \text{ unit}^2$.
 - Find rules to work out the area of the shaded sections in any pattern of each sequence.
 - Use your rules to calculate the area of the shaded section in the tenth pattern of each sequence.



- Make up an area pattern sequence on square dot paper. Ask a classmate to work out a rule for the area of any shaded section in the pattern sequence. Check that their rule works.