



MATHEMATICS



N.S. Yr. 2 P.85

Recognise line symmetry

Equipment

Paper, pencil, ruler, crayons
Mirrors, pegboards, scissors

MathSphere

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Concepts

Symmetry is introduced in year 2. Children should begin to use and read terms such as:

- line of symmetry
- mirror line
- reflection

Mirrors are essential for this work so that children can see the reflection of the shape in the mirror - they often find great difficulty predicting the mirror image without this help.

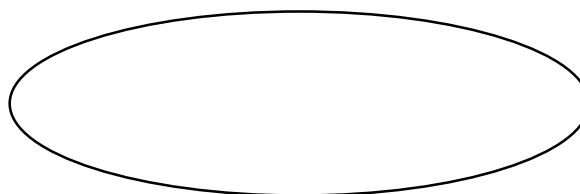
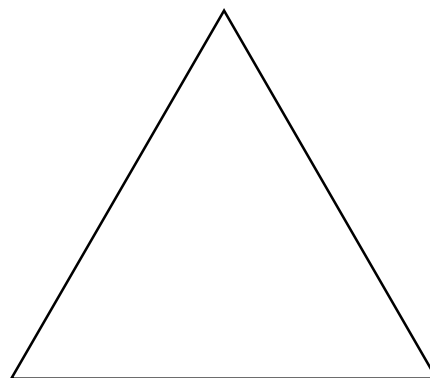
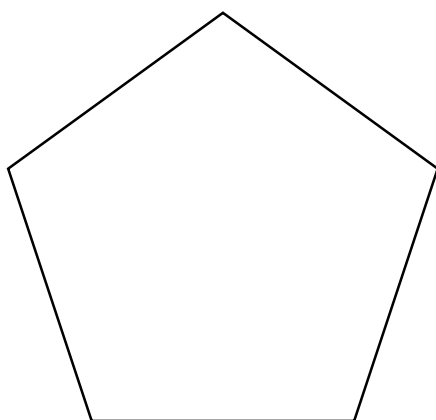
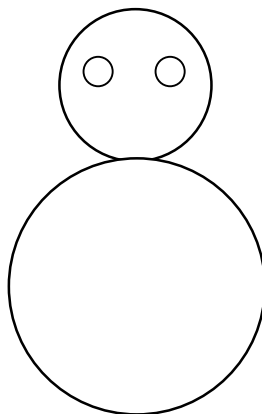
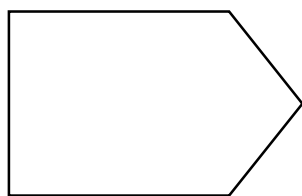
Whether shapes are symmetrical can be tested using a mirror, and a line of symmetry can be drawn where the mirror has been placed.

Symmetrical patterns can be made by using ink blots or paint across a folded edge.

Other symmetrical patterns can be made with cubes, sticky gummed paper, plastic shapes etc and on pegboards.

Drawing lines of symmetry

Draw a line of symmetry on each of these shapes.
Check with a mirror to see if you are correct.



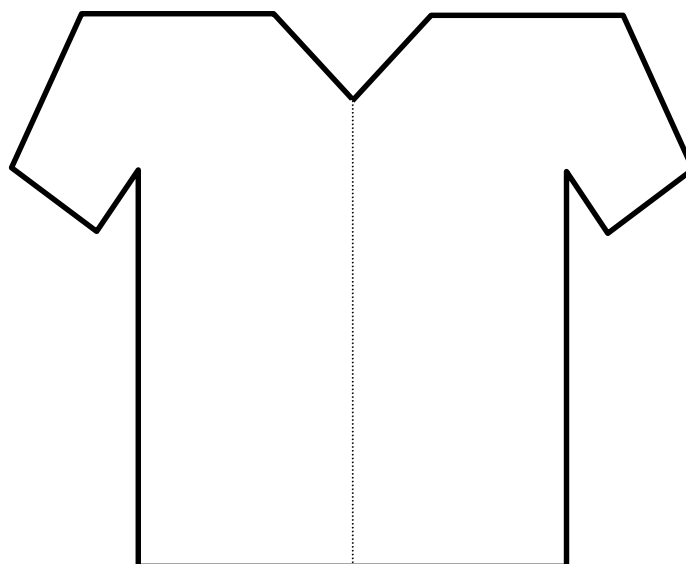
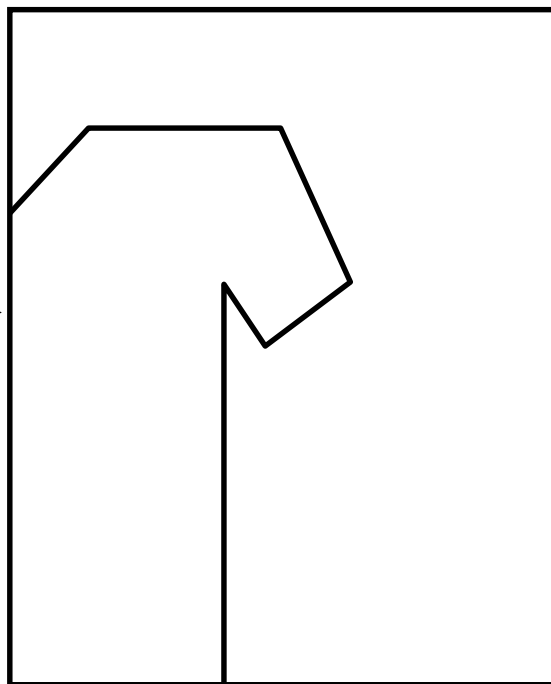
Line of symmetry

Fold a piece of paper in half.
Draw a shape like this:

Fold line



Cut out the shape.



Now open the fold out and colour in the symmetrical t-shirt.

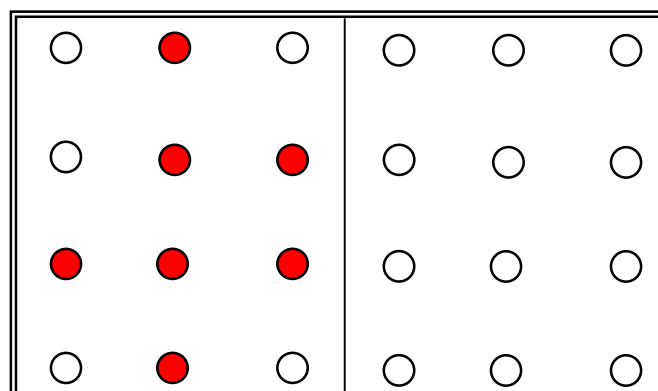
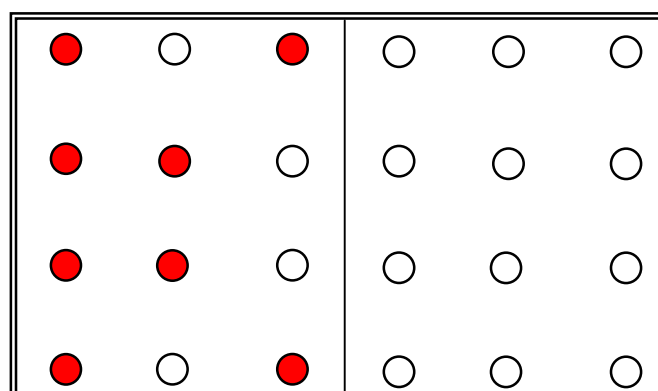
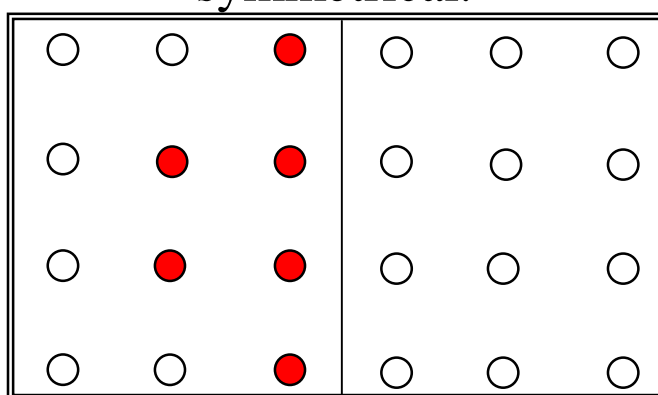
Try your own cut out shapes.



Peg board symmetry

You need a peg board and some coloured pegs for this work.

Complete the pattern on the other side of the line, making it symmetrical.

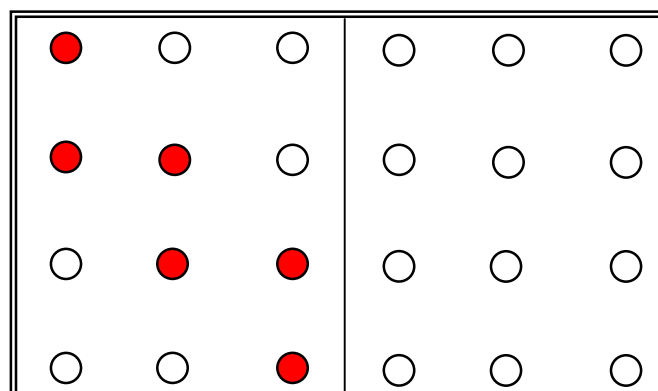
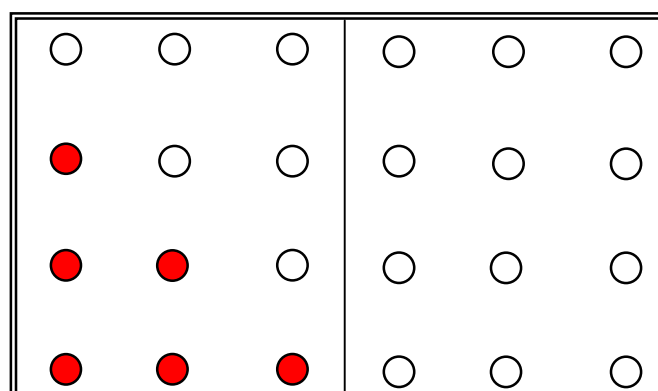
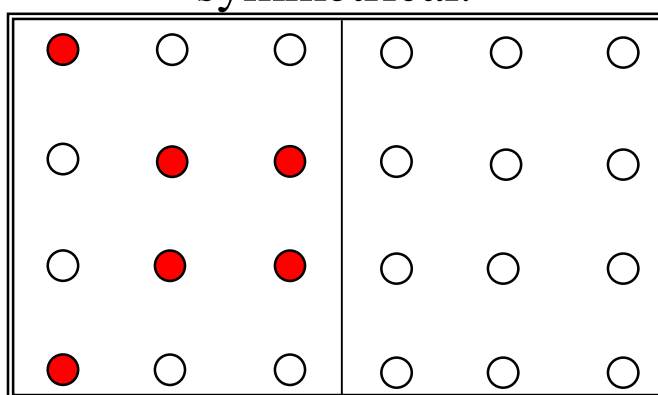




Peg board symmetry

More pegs and a pegboard to make these patterns symmetrical.

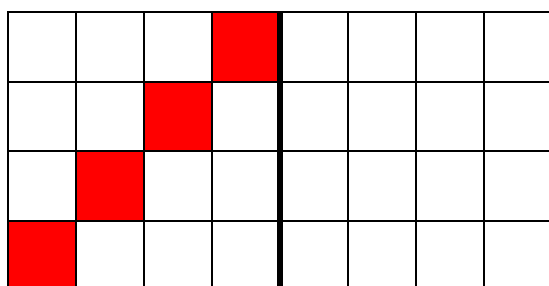
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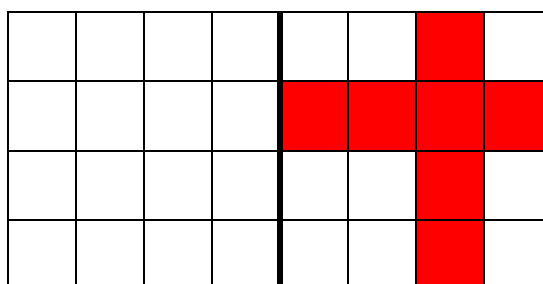
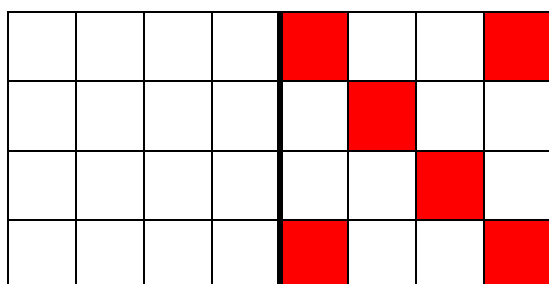
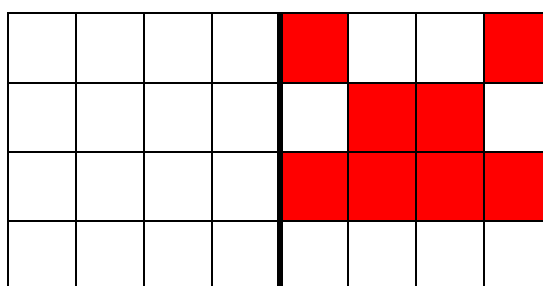
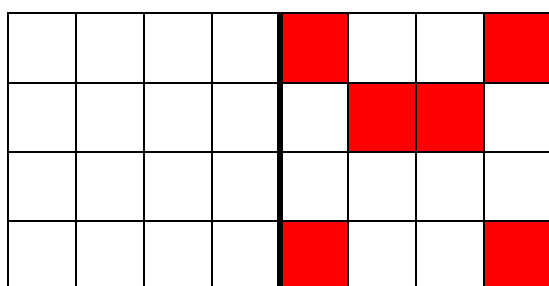
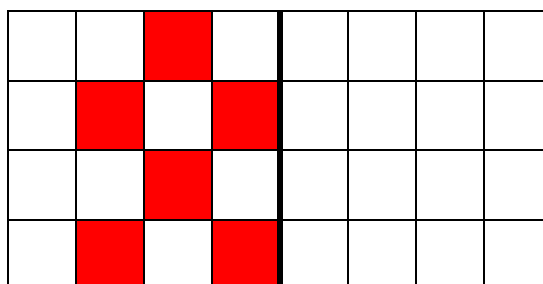
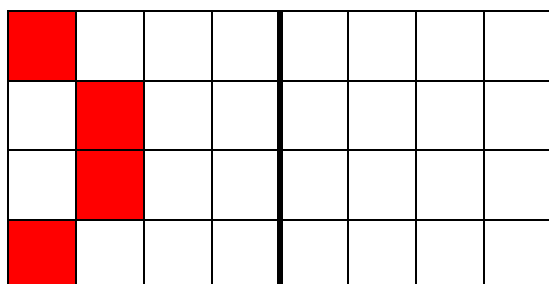
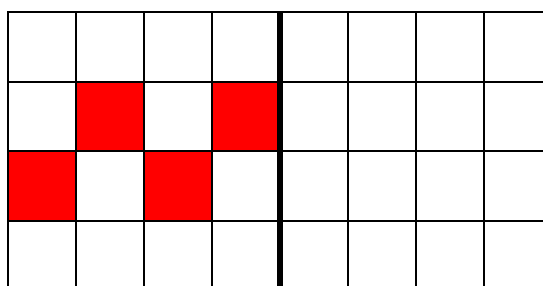
Symmetrical patterns

Use a mirror to help you complete the other half of each of these patterns.

Mirror line



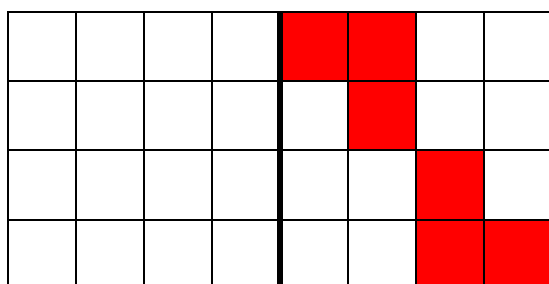
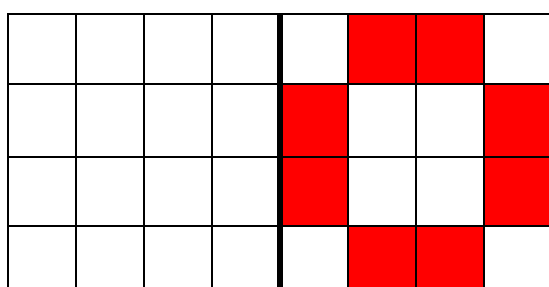
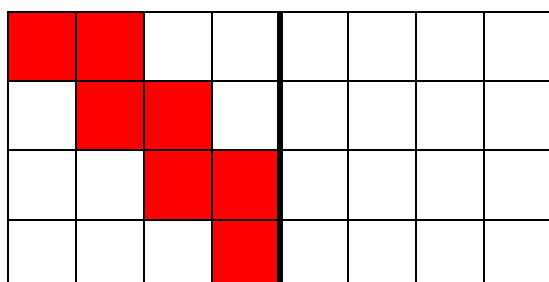
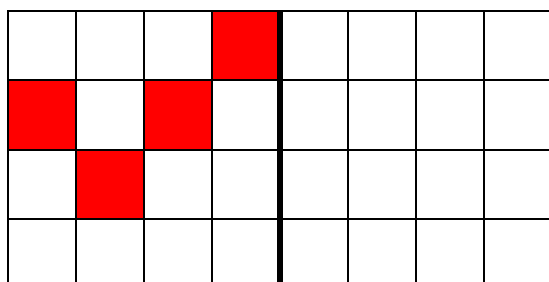
Mirror line



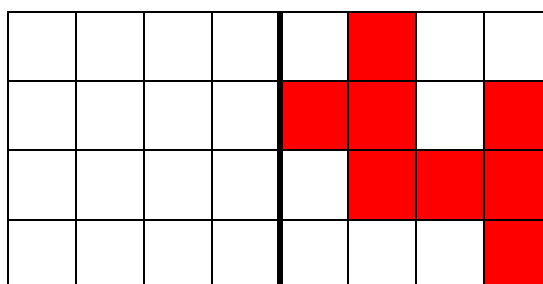
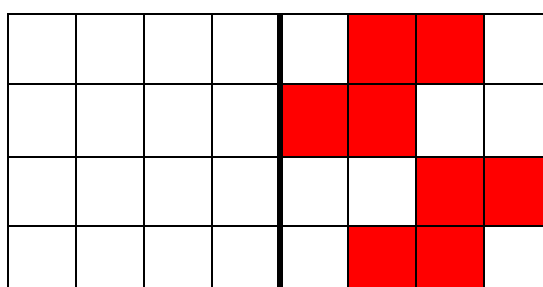
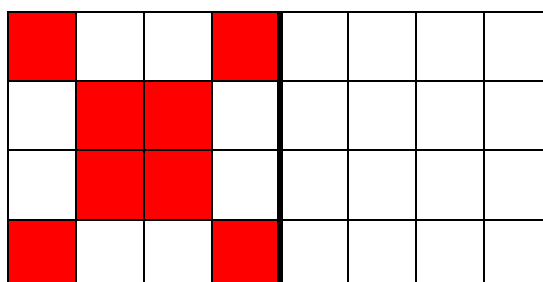
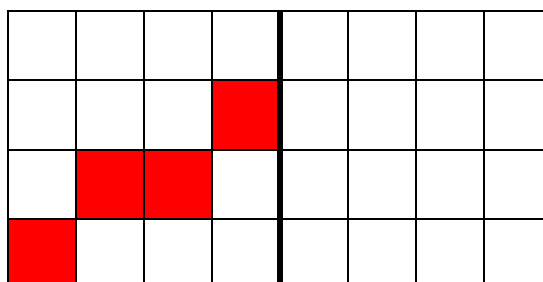
Symmetrical patterns

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Mirror line



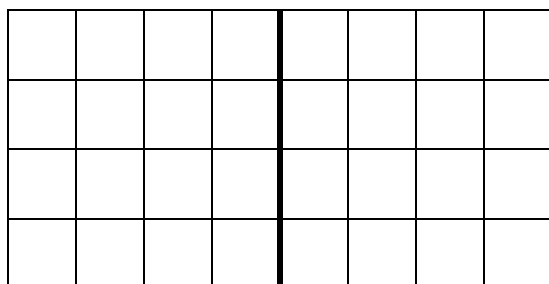
Mirror line



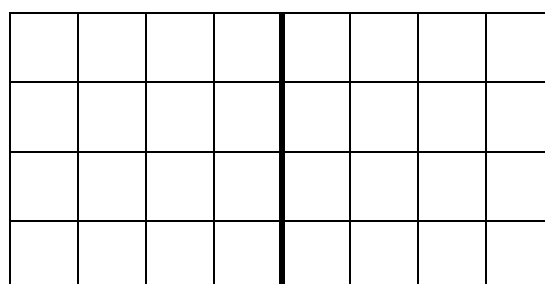
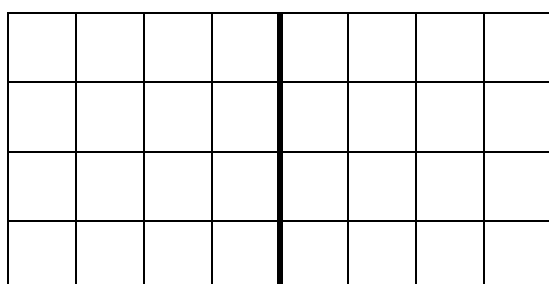
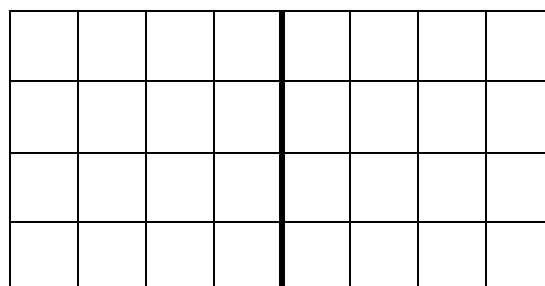
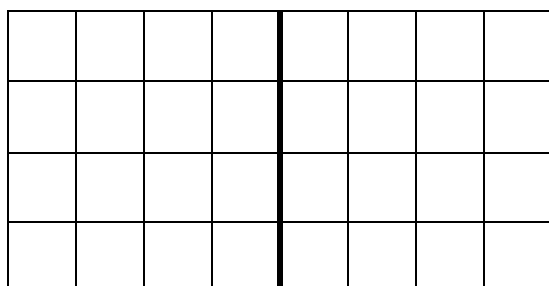
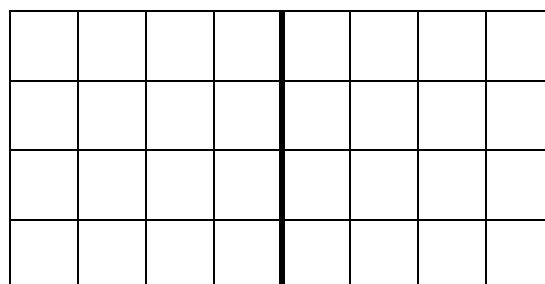
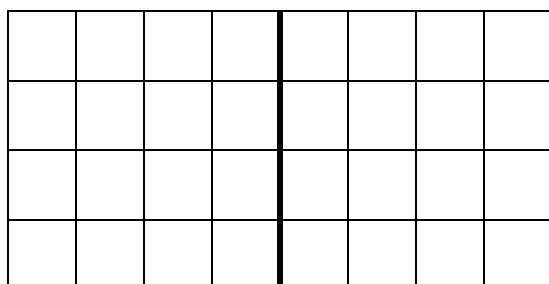
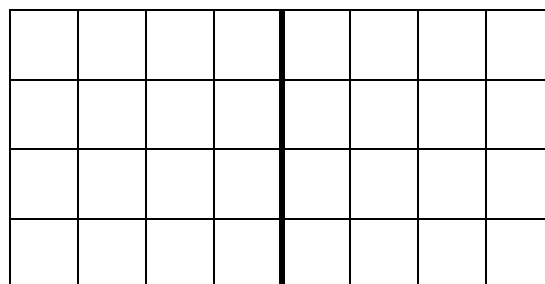
Symmetrical patterns

Use a mirror to help you make your own symmetrical patterns.

Mirror line

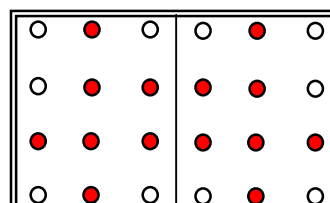
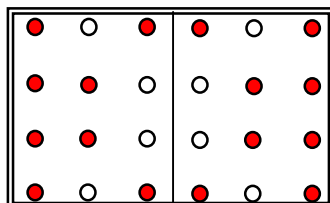
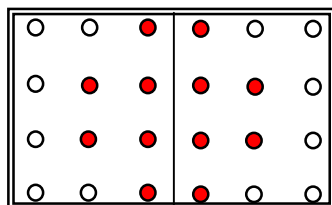


Mirror line

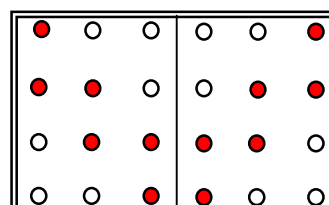
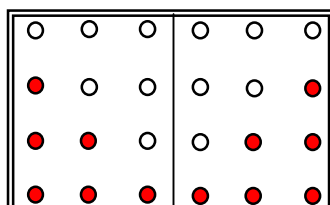
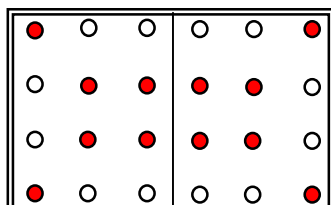


Answers

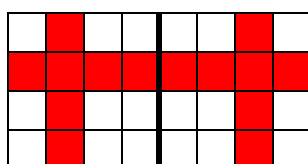
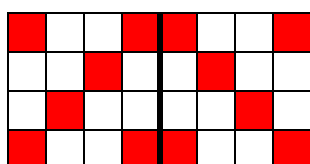
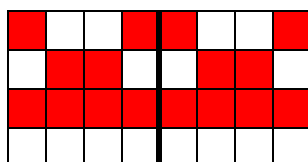
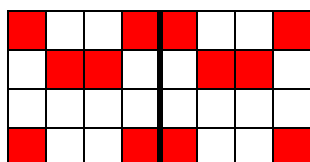
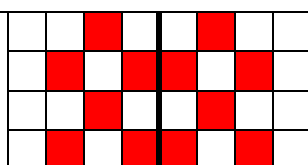
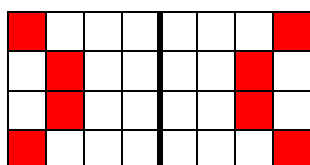
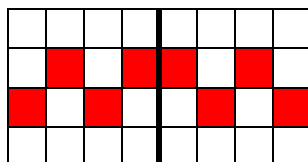
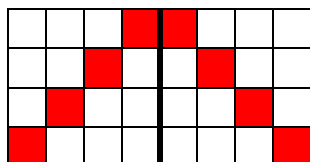
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Answers

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