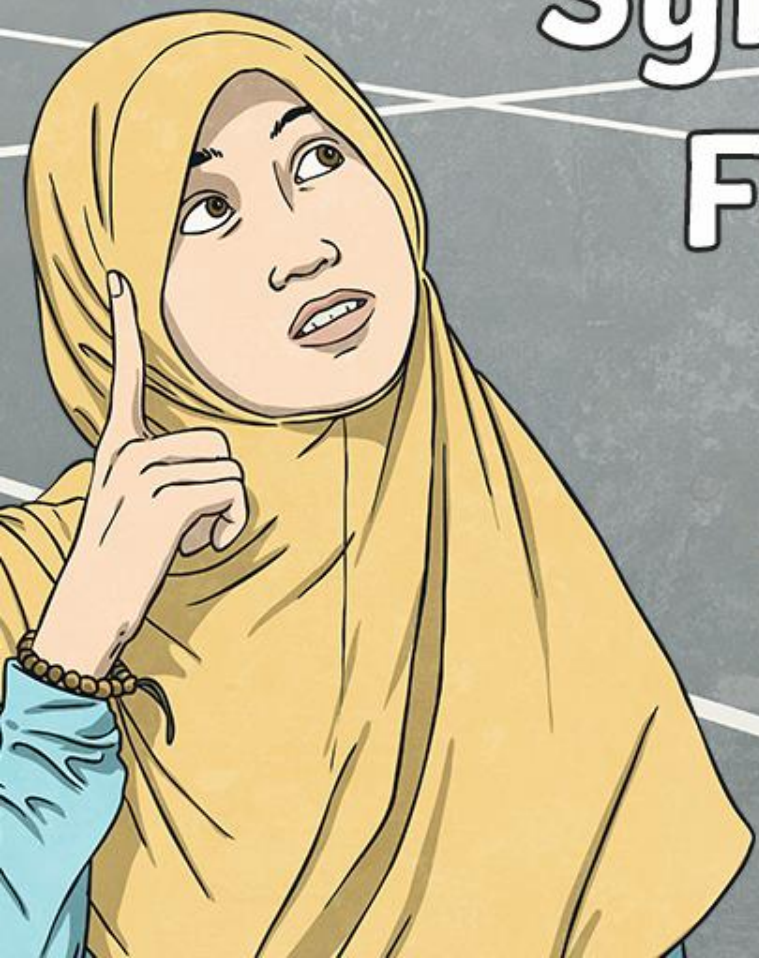


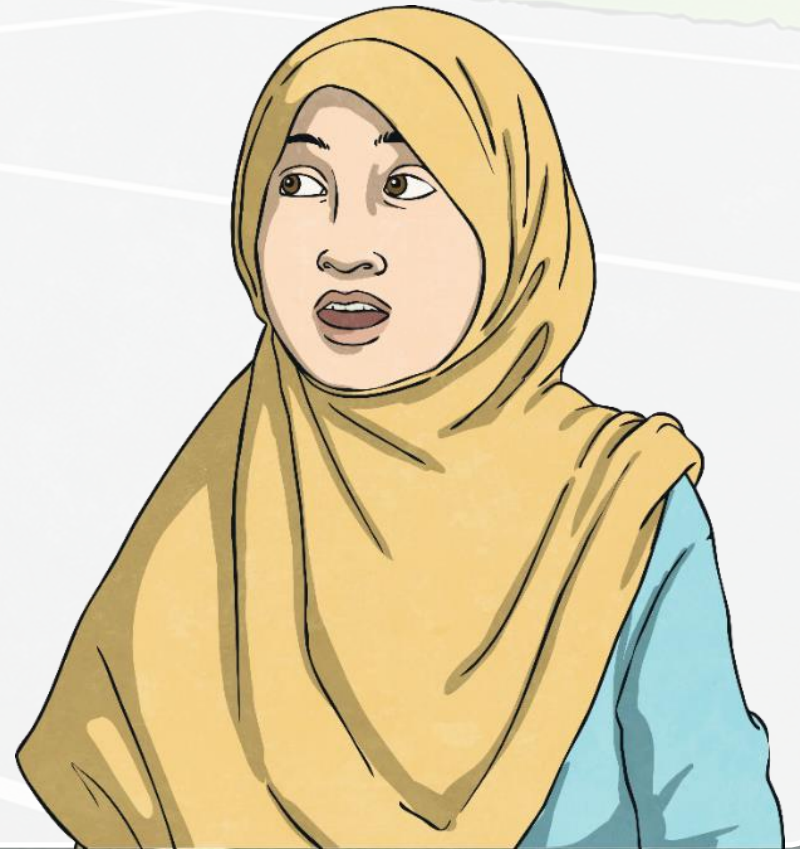
Symmetric Figures



Recognising Lines of Symmetry

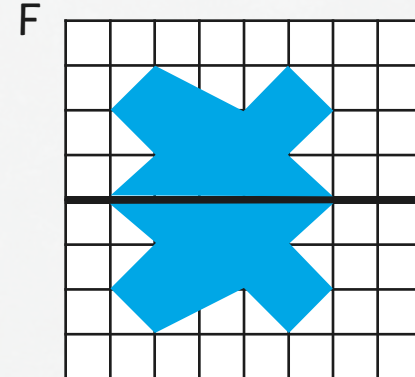
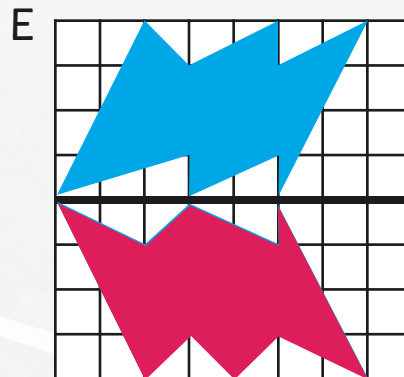
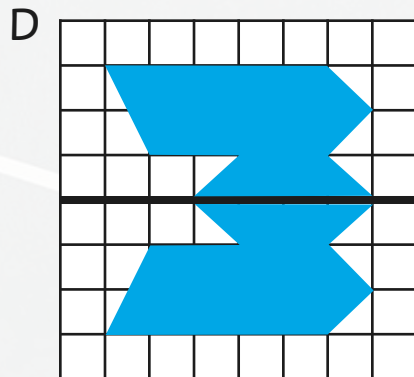
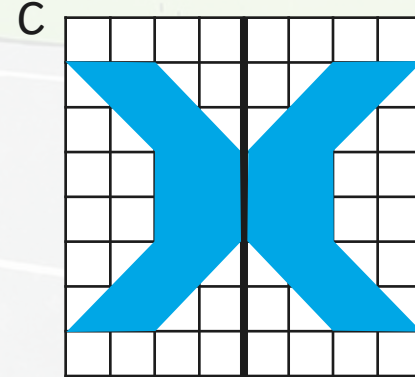
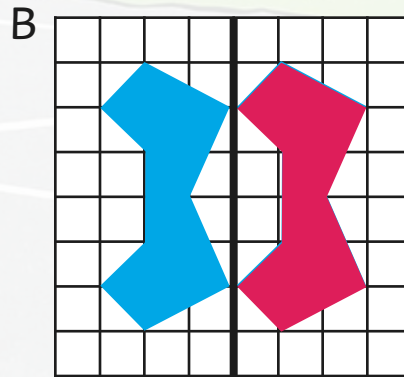
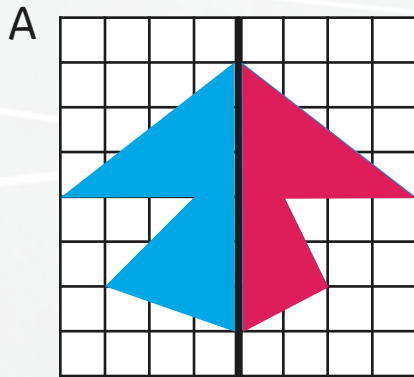
Fatima has some advice when looking for lines of symmetry:

“It can help to hold the shape you are looking at in front of your face and turn the shape around so the line of symmetry is vertical.”



Symmetrical or Not?

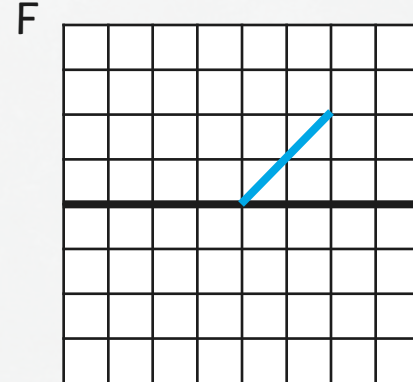
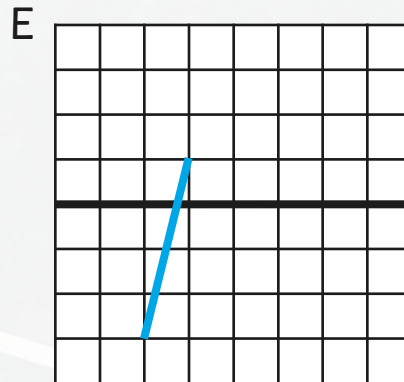
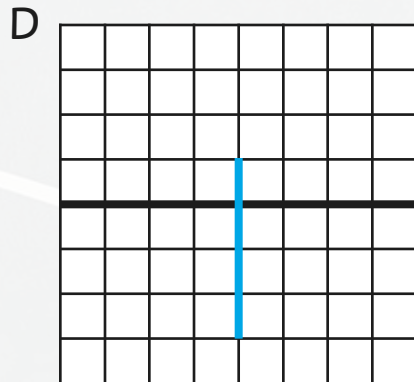
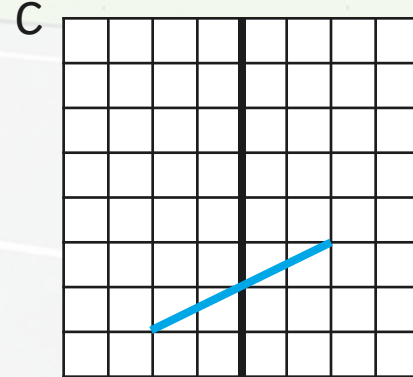
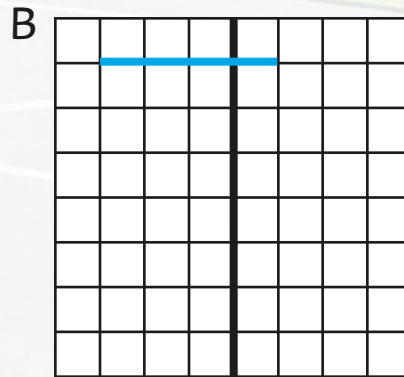
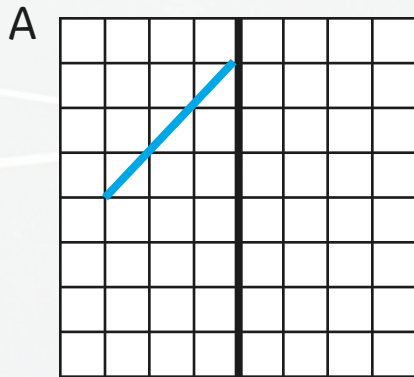
Alfie has some shapes which he has completed about a mirror line. Which are symmetrical and which are not? Share your ideas with a partner, explaining what needs to be done to correct any symmetry.



Draw your own shapes for a partner to complete.

Complete the Squares

Laura draws some lines on these grids. Complete each on the grid so every square is symmetrical. Are there any that cannot be completed to be symmetrical? Share your ideas with a partner.



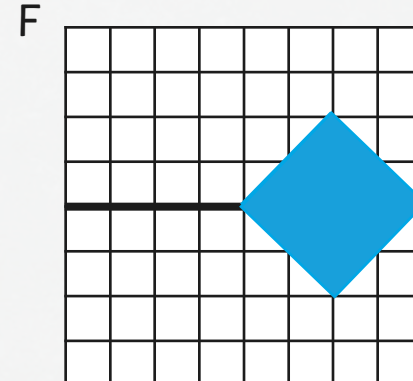
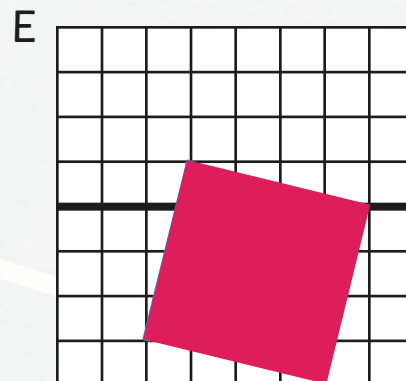
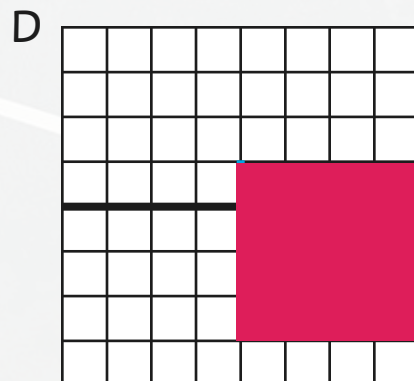
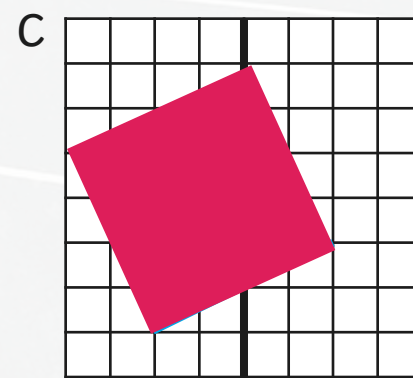
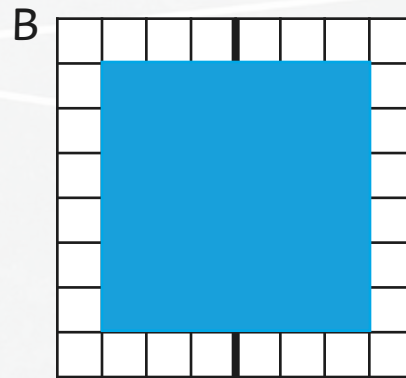
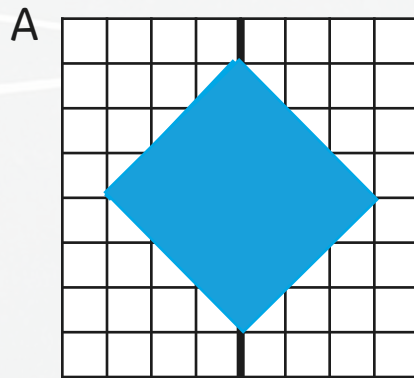
Draw your own lines for a partner to complete.

Complete the Squares Answers

A, B and F must be completed as drawn to fit on grid. Note: B needs the line extended.

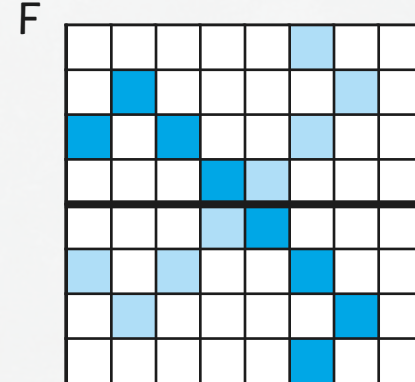
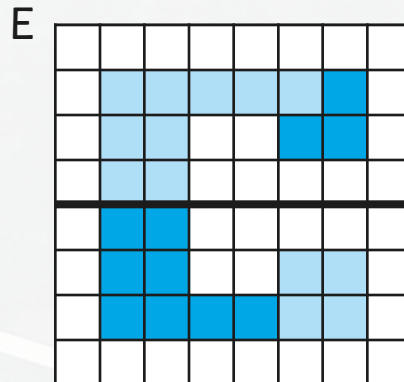
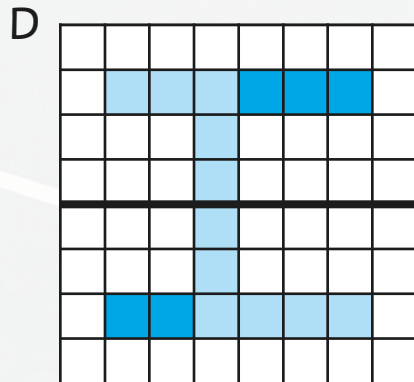
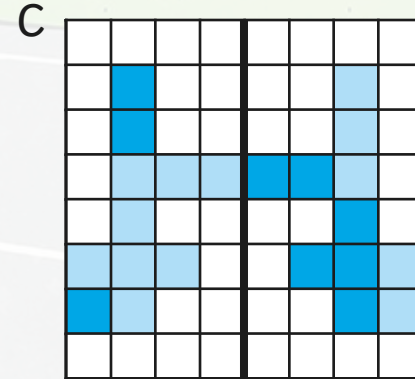
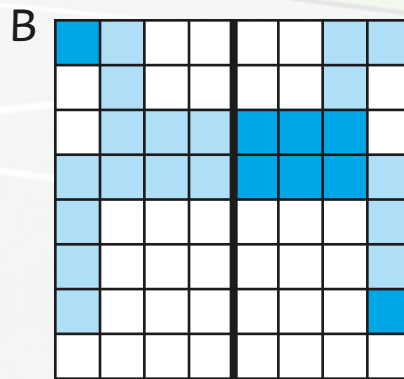
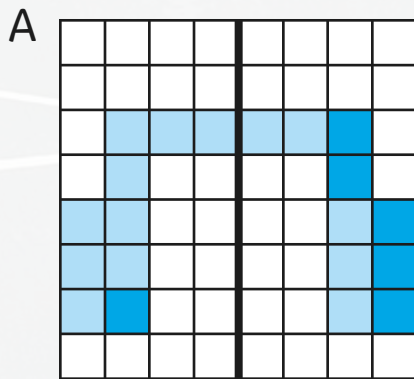
D can be symmetrical but will not fit on the grid.

C and E are not possible, although can be drawn different sizes.



Complete the Shapes

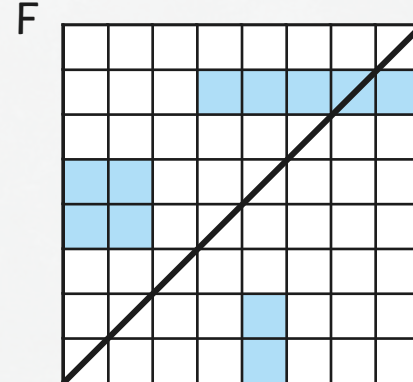
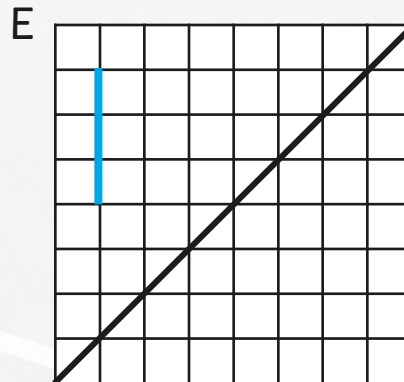
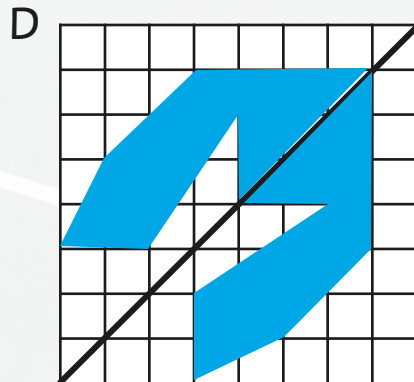
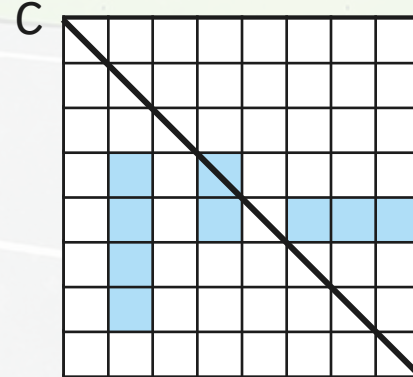
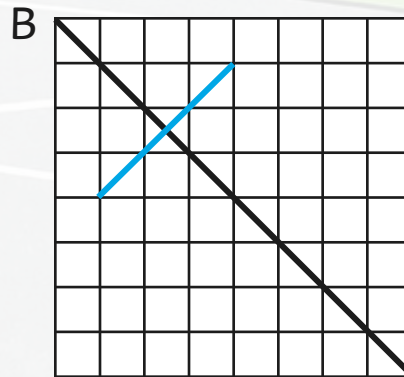
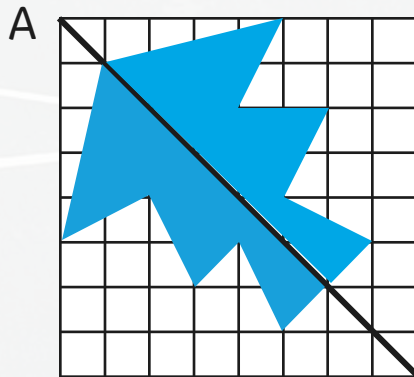
Fatima shades some squares in these grids. Complete the grid, shading as few squares as possible, so each is symmetrical about the bold line of symmetry. Compare and check your answers with a partner.



Draw your own grid for a partner to complete.

Complete the Shapes

Alfie, Laura and Fatima have each drawn 2 of their symmetrical problems on this diagonal grid. Check A and D, complete the squares on B and E, and complete the grids on C and F using the fewest squares possible.



Draw your own diagonal grid for a partner to complete.

Complete the Shapes **Answers**

A is incorrect – one corner needs to be corrected.

B and E could be larger squares as well.

