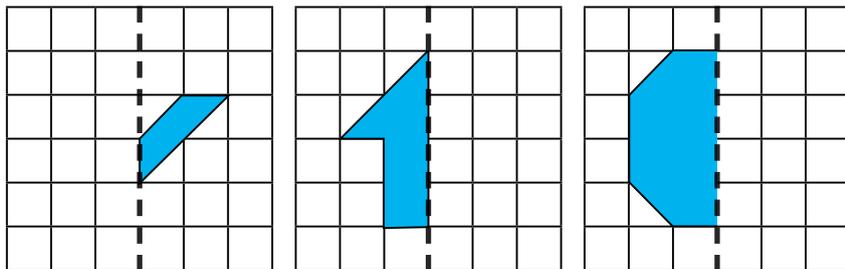
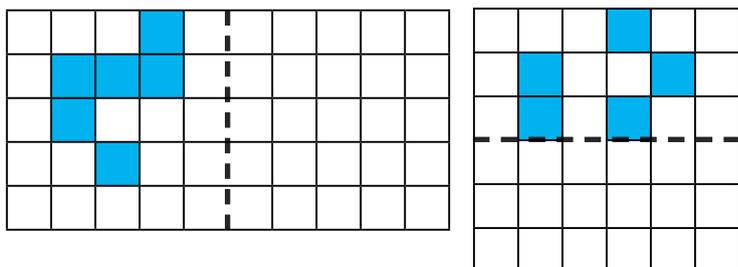




1) Complete the shapes in the mirror lines using a ruler and mirror:



2) Complete the symmetrical patterns by shading the correct squares. Remember to check your answer with a mirror.

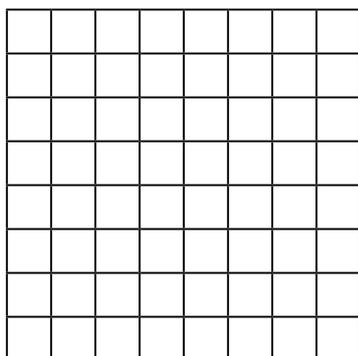


1) Carrie says, "A symmetrical pattern on a grid cannot have more than two lines of symmetry."

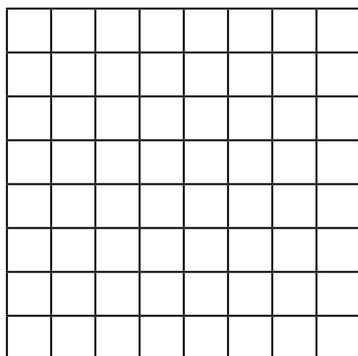


Is she correct? \_\_\_\_\_

Draw your own pattern, with lines of symmetry, **on the square grid** to prove your answer.

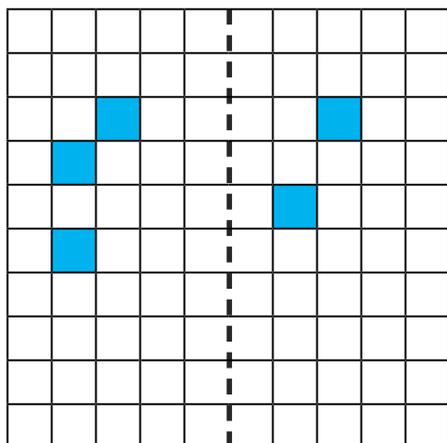


2) Can you shade squares to create patterns on a grid this size with **exactly** two lines of symmetry?





1) Look at these shaded squares:



- a) What is the smallest number of squares you would have to shade to make a symmetrical pattern, if the line of symmetry was vertical as shown here? \_\_\_\_\_
- b) Draw a horizontal or diagonal line of symmetry on the grid and shade the fewest squares you can to make a symmetrical pattern.

Are there places on the grid where the line of symmetry can't go? Explain your answer.

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