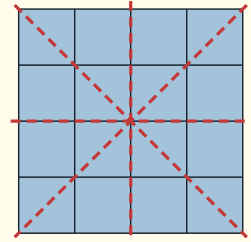


LINES OF SYMMETRY OF A SQUARE

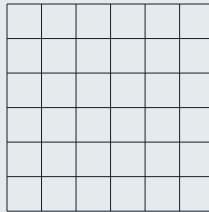
- ① The dashed line down the middle matches both halves, so that is **1** line of symmetry.
- ② The dashed line across the middle also matches, so that is **2**.
- ③ Fold along each diagonal and the halves match too, so a square has **4** lines of symmetry in all.



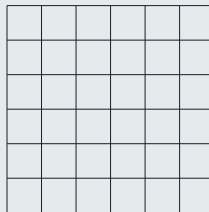
WARM-UP

On the grid, draw each shape and rule in all of its lines of symmetry.

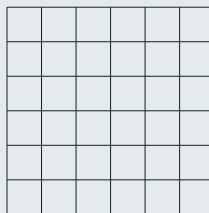
1. Draw a square and rule in all of its lines of symmetry.



2. Draw a rectangle and rule in all of its lines of symmetry.



3. Draw the letter T and rule in all the lines of symmetry it has.



PRACTICE

- ① A carpenter is building an equilateral triangle window. How many lines of symmetry can he fold across it? _____

SPOT THE MISTAKE

Cian marks the lines of symmetry on a rectangle that is not a square:

2 lines through the midpoints of opposite sides
 2 diagonal lines corner to corner
 Total: 4 lines of symmetry

Cian has counted too many. Which lines are not lines of symmetry, and how many does the rectangle really have?

Explain _____ Answer