

Symmetry Detectives

Grades 3-5 | 24 tasks

Make reflection visible one grid cell at a time. Learners complete a missing half, distinguish an exact reflection from close alternatives and repair a single incorrect cell.

12 reflection + 6 choice + 6 repair tasks

12 base designs with horizontal or vertical axes

Starter and Stretch practice with answer keys

Model equal distance from the axis, then move from drawing to choosing and explaining. Use a small selection for geometry stations, partner discussion or independent practice.

The following pages are actual excerpts from the resource.

A4 + US Letter | Version 1.3

Printable PDF with teacher support



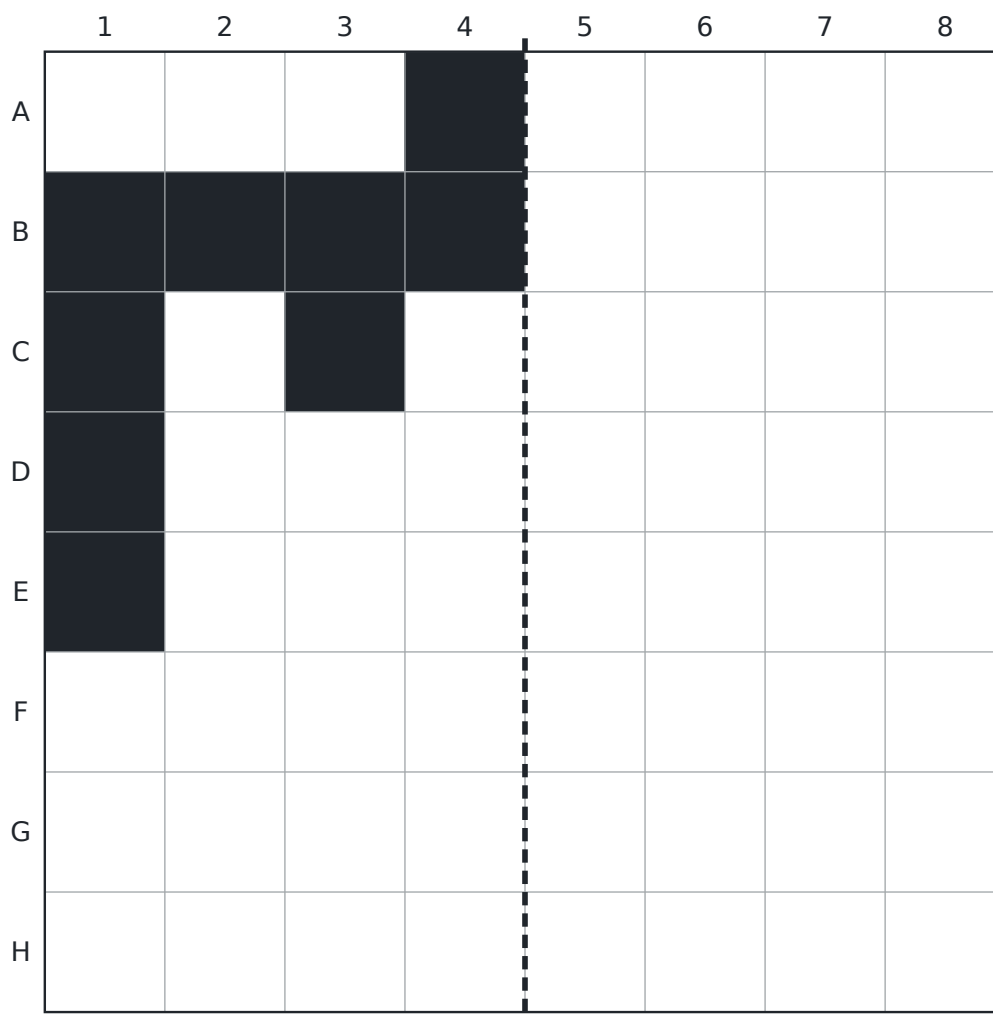
P02-01

Starter

Complete the reflection

Shade the missing half. Reflect each filled square across the dashed axis.

Design D01 • Vertical axis • Row letter, then column number



Check the distance from the axis for every shaded cell.



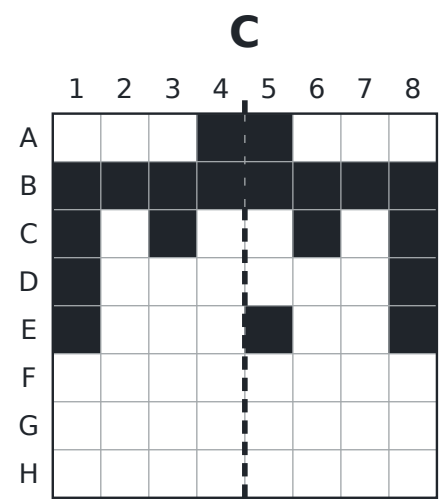
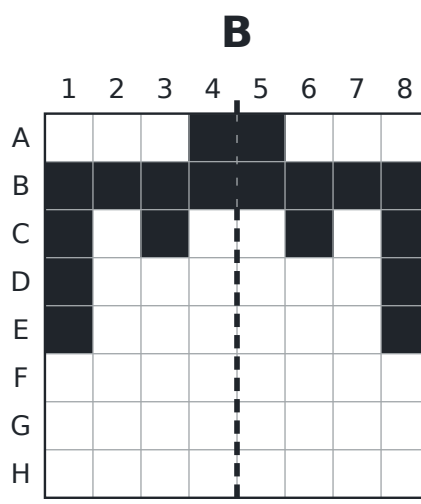
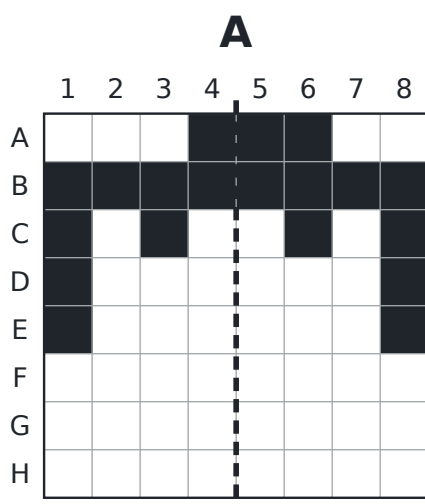
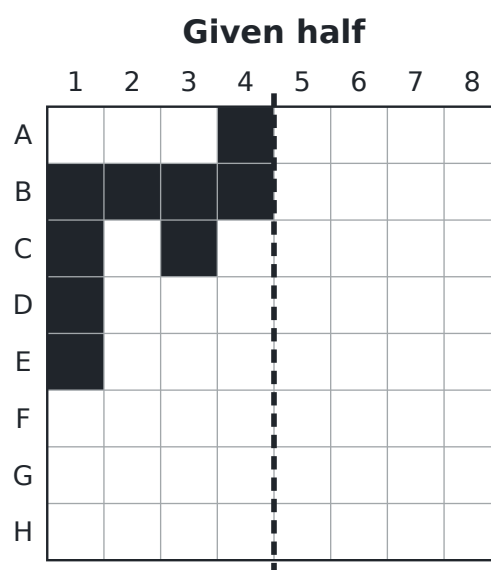
P02-13

Starter

Choose the reflection

Circle the one option that is an exact reflection. The given half stays unchanged.

Design D01 • Vertical axis • Row letter, then column number



My choice: _____



P02-17

Starter

Find and repair

Exactly one square on the reflected side is wrong. Name its cell. Shade a missing square, or circle an extra square and write REMOVE.

Design D05 • Vertical axis • Row letter, then column number

	1	2	3	4	5	6	7	8
A								
B								
C								
D								
E								
F								
G								
H								

Cell: _____ Add shading / Mark REMOVE



P02-20

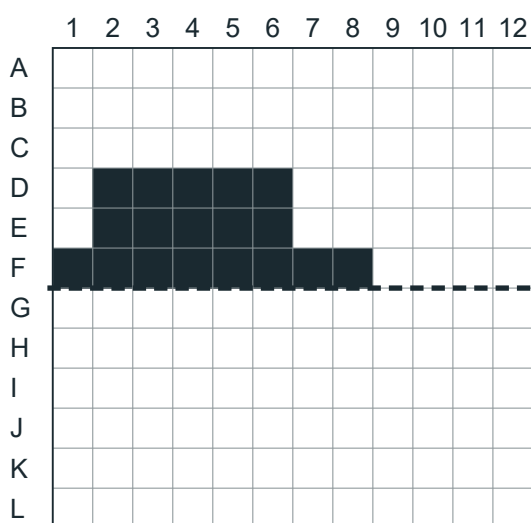
Stretch

Choose the reflection

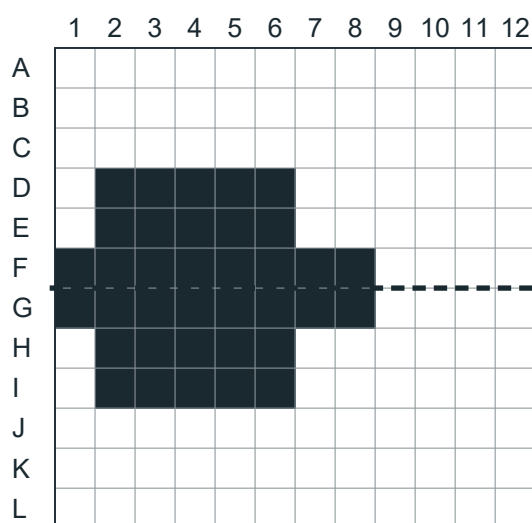
Circle the one option that is an exact reflection. The given half stays unchanged.

Design D08 • Horizontal axis • Row letter, then column number

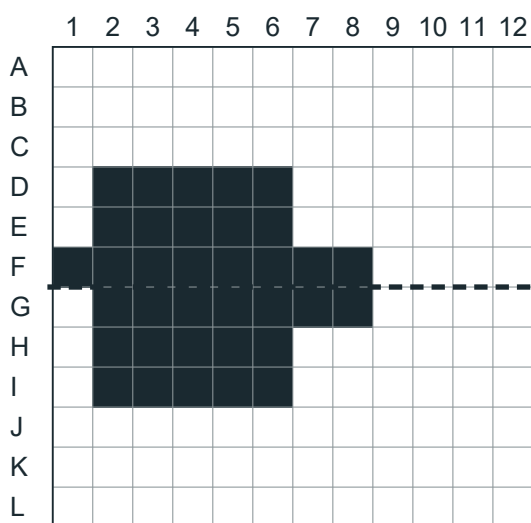
Given half



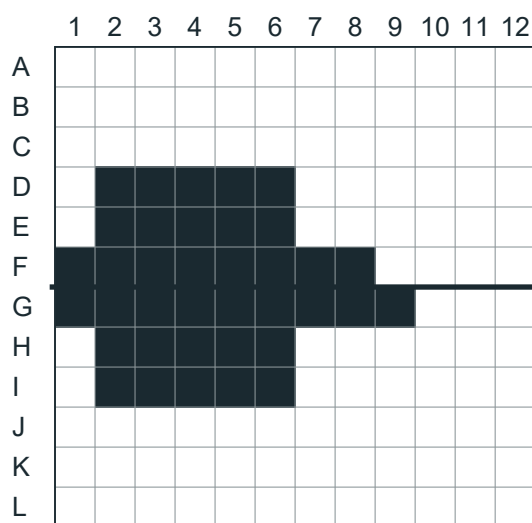
A



B



C



My choice: _____



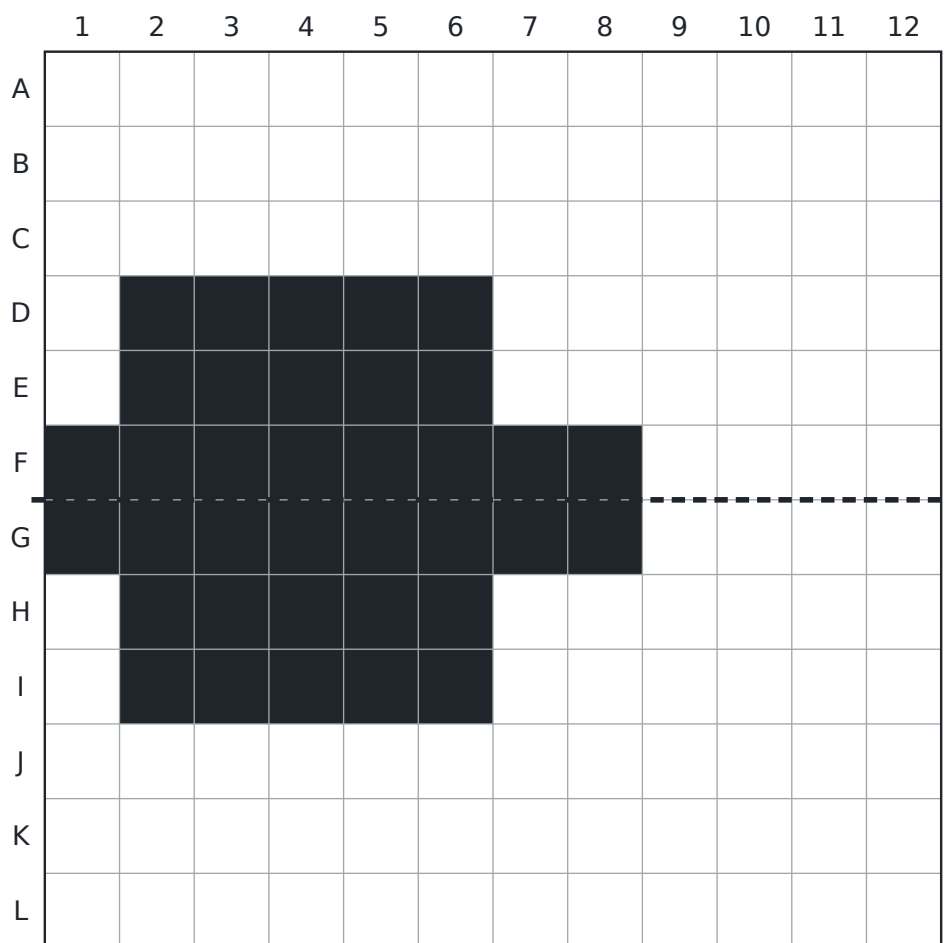
P02-20

Stretch

Choose the reflection

Circle the one option that is an exact reflection. The given half stays unchanged.

Design D08 • Horizontal axis • Row letter, then column number



Answer: A

Option A matches every reflected cell; the other options contain an extra or missing cell.