Lesson 92

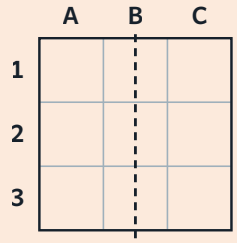
Location and transformation investigation

REFLECT A BRICK FOR THE WALL

1. The mirror line runs down column B on the building grid.
2. Your brick is at **A2**, one square left of the mirror.
3. Flip it across the mirror: the partner brick sits one square right at **C2**.
4. Both bricks stay the same distance from B and face opposite ways.

WARM-UP

Mark the building parts on the grid.



1. Shade the starter brick at B2.
2. Mark A1 and its reflection across the mirror at B (lands at C1).
3. Show the slide of C3 one square left to B3.

PRACTICE

1. You are making a toy shed and place one window at A2. The mirror line is at B. Where does the matching window go?
2. While building a block wall you slide the brick at B1 one square right. Where does it land?
3. Your building plan tells you to put a door at C3. What grid square is that?
4. You slide a roof tile from A1 two squares right across your design grid. Where does the tile stop?
5. A chimney brick sits at C2 on the right of the mirror at B. Where is its flipped matching brick?

ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

a. A shape one square left of the mirror line has its reflection one square right of it. ☐

b. Sliding a shape changes the facing of the shape. ☐

c. B3 means column B, row 3. ☐

d. A reflection makes the shape a different size. ☐

REFLECT Do you name the letter or the number first on a grid square? Why does the order matter?

SHAPE & SPACE