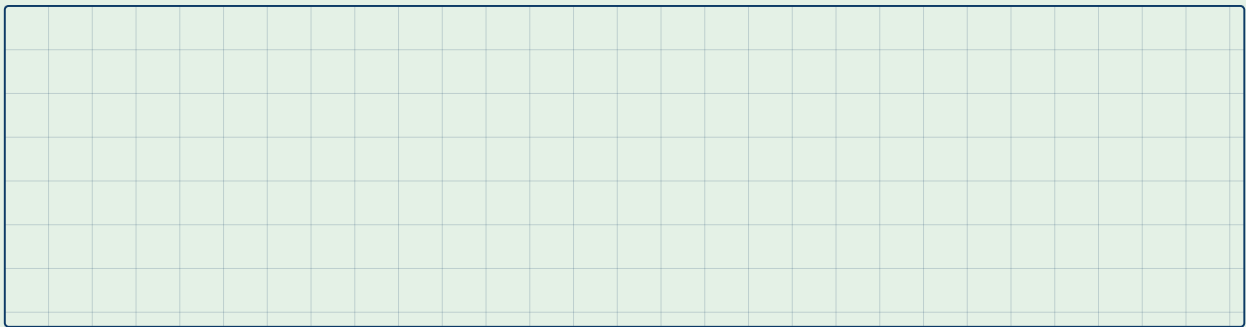


## COUNTING SQUARES ON A BUILDING MAT

- 1 Look at the small square mat covered in equal tiles.
- 2 Shade the first tile and say the running count 1.
- 3 Shade the next tile and count 2.
- 4 Shade two more tiles to reach a running count of 4.
- 5 The mat's area is 4 square units because 4 equal squares fit inside.

## WARM-UP

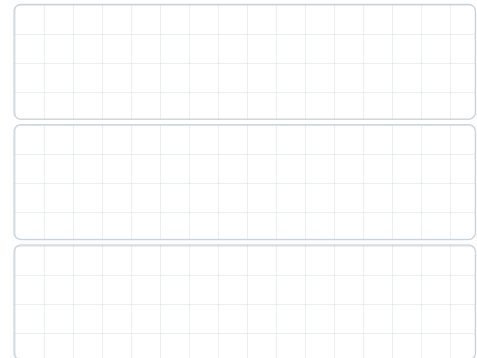
Use the squared grid to draw and shade building shapes of given areas.



1. Draw any building shape that covers exactly 3 squares
2. Draw an L-shaped shelf base that covers exactly 5 squares
3. Shade a rectangular floor that covers exactly 6 squares

## PRACTICE

- 1 Sam is making a tiny roof tile patch for a model shed using exactly 2 equal square pieces. What is the area?
- 2 Aoife builds a small door mat for her toy house and covers it with 3 identical square tiles. Find the area by counting.
- 3 Maya is building an L-shaped base for a shelf unit using 5 equal squares. Count the squares to find its area.



## ? ALWAYS, SOMETIMES, NEVER

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

- |                                                                                                         |                                                                                       |
|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| a. Area is found by counting the equal squares that fit inside a shape. <input type="text"/>            | c. You must use squares of different sizes to measure area. <input type="text"/>      |
| b. A shape that covers 5 squares has a larger area than one that covers 3 squares. <input type="text"/> | d. An L-shape can have its area found by counting equal squares. <input type="text"/> |