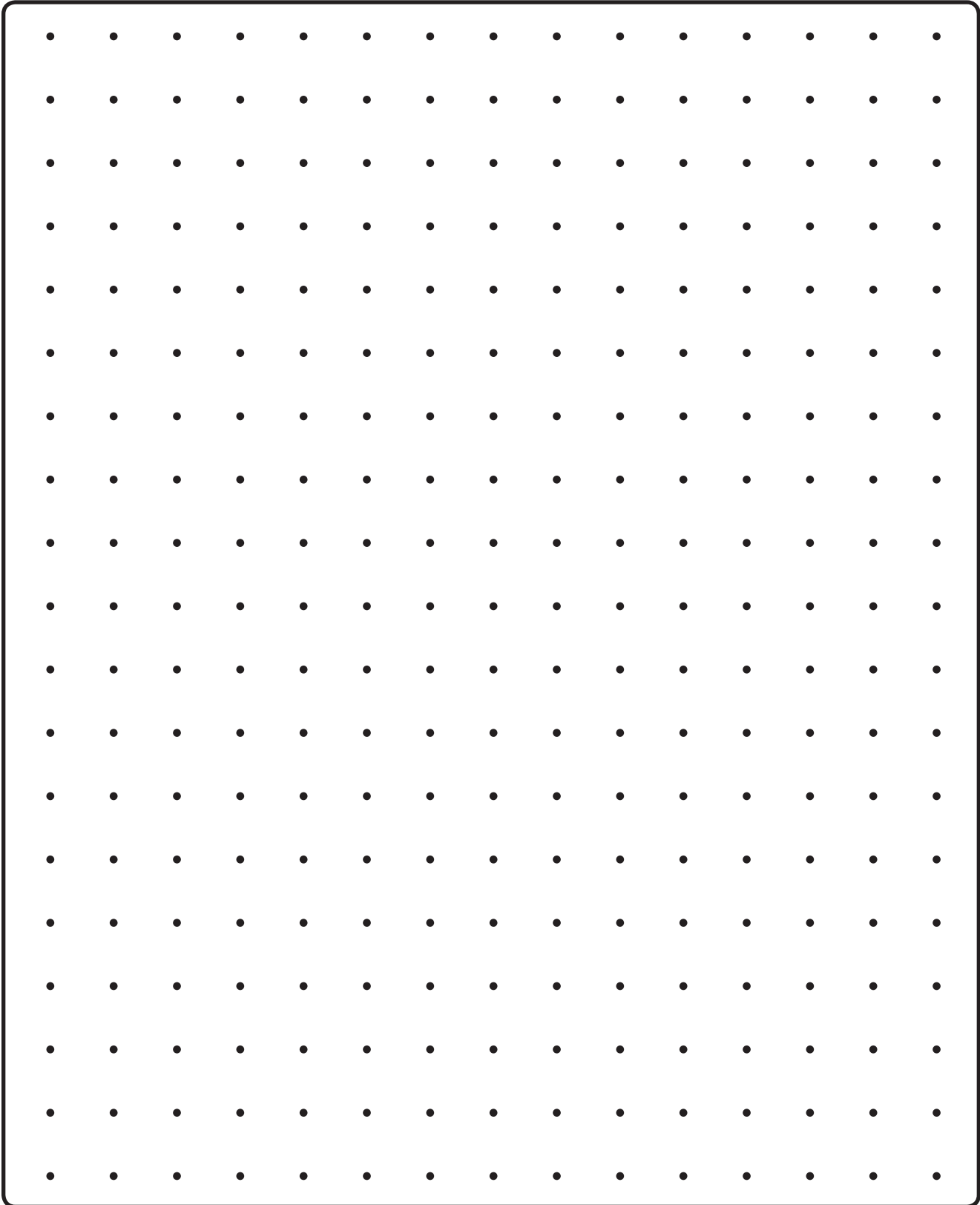


Name _____ Date _____

Grid Paper



Area Claim

The grid contains four shaded shapes for area calculation:

- Top Left:** A right triangle with a vertical leg of 5 units, a horizontal leg of 5 units, and a hypotenuse. The area is $\frac{1}{2} \times 5 \times 5 = 12.5$ square units.
- Top Right:** A complex polygon with a base of 5 units and a height of 5 units. It consists of a 5×2 rectangle, a 2×3 rectangle on top of the right side, and a 2×2 square on the right side. The area is $10 + 6 + 4 = 20$ square units.
- Bottom Left:** A house-shaped polygon with a base of 5 units, a height of 2 units, and a triangular roof with a base of 5 units and a height of 1 unit. The area is $5 \times 2 + \frac{1}{2} \times 5 \times 1 = 10 + 2.5 = 12.5$ square units.
- Bottom Right:** A complex polygon with a base of 5 units and a height of 2 units. It consists of a 5×2 rectangle and a 2×2 square on the right side. The area is $10 + 4 = 14$ square units.

Area Claim: Figure Cards



A large dashed rectangular frame containing four smaller dashed rectangular frames, each with a shaded figure on a dot grid.

- Top-Left:** A shaded L-shaped figure on a 5x5 dot grid. The vertical bar is 5 units high and 1 unit wide. The horizontal bar is 1 unit high and 3 units wide, attached to the top-right of the vertical bar.
- Top-Right:** A shaded right-angled triangle on a 5x5 dot grid. The vertical leg is 5 units high and the horizontal leg is 5 units wide. The hypotenuse connects the top-left and bottom-right corners.
- Bottom-Left:** A shaded pentagon on a 5x5 dot grid. The left side is 5 units high and 1 unit wide. The top side is 1 unit wide. The right side is 1 unit wide. The bottom side is 1 unit wide. The rightmost vertex is at the 3rd dot from the bottom.
- Bottom-Right:** A shaded L-shaped figure on a 5x5 dot grid. The vertical bar is 5 units high and 1 unit wide. The horizontal bar is 1 unit high and 4 units wide, attached to the top-right of the vertical bar.

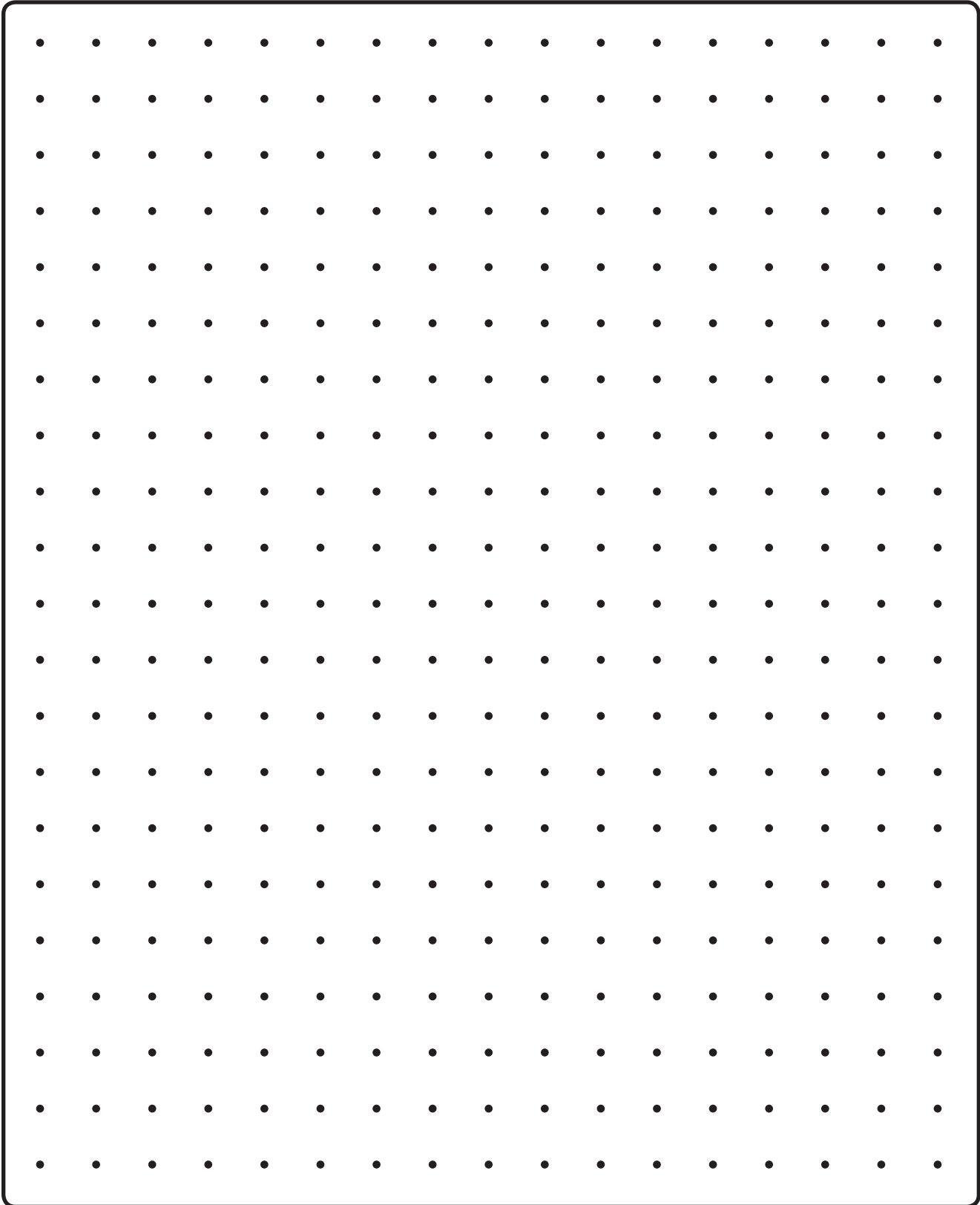
Area Claim: Transformation Cards



Rotate	Rotate	Translate
Reflect	Reflect	Translate
Rotate	Rotate	Translate
Reflect	Reflect	Translate

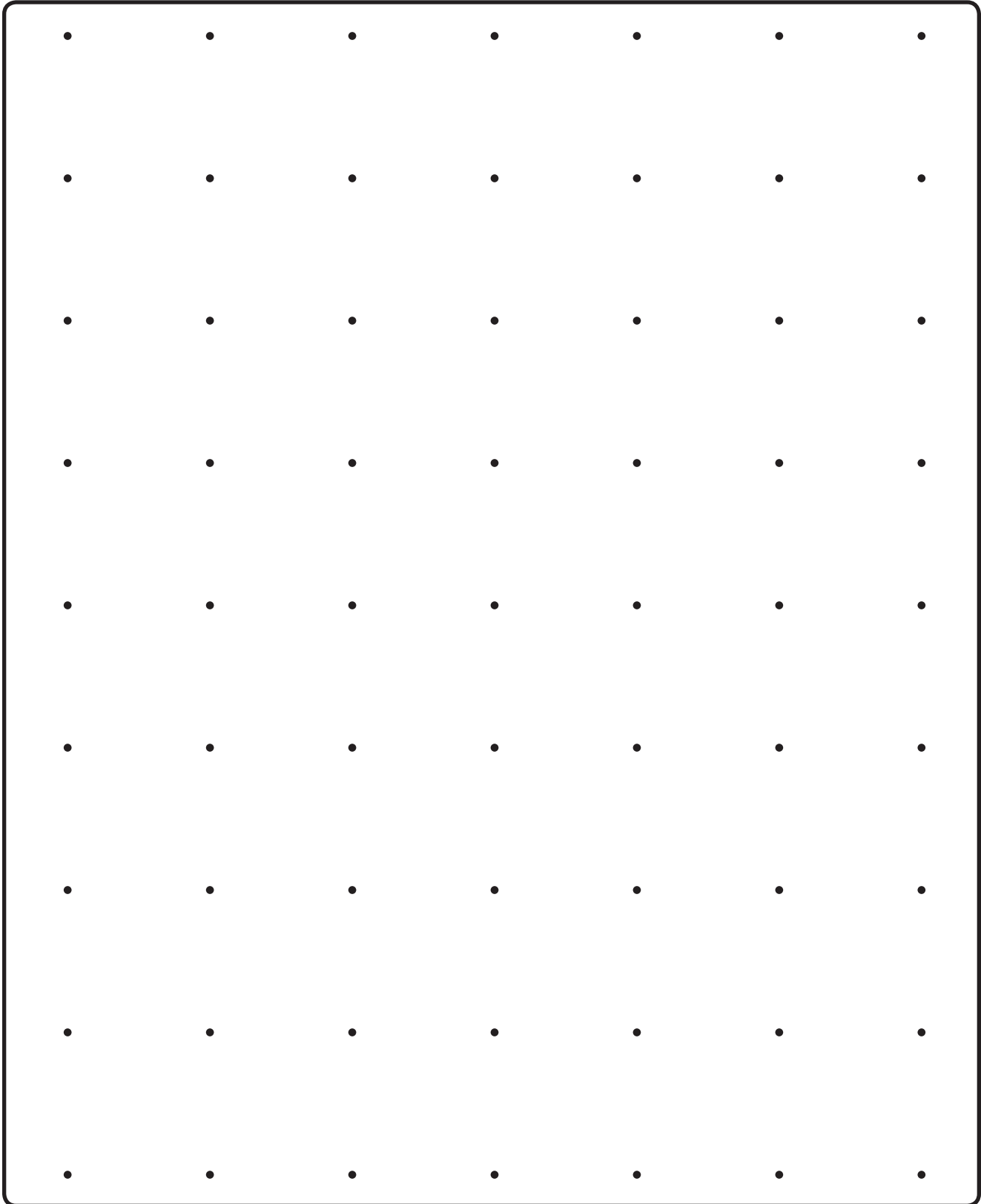
Name _____ Date _____

Centimeter Grid Paper



Name _____ Date _____

Inch Grid Paper



Area Scavenger Hunt

Find something in your classroom whose area is about . . .

A 1 square centimeter

.....

B 1 square inch

.....

C 1 square foot

.....

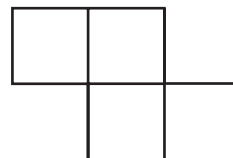
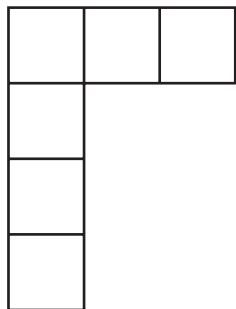
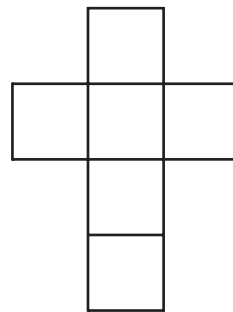
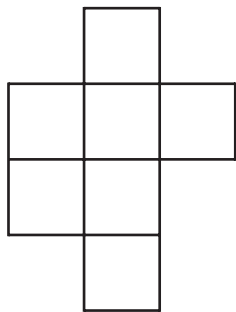
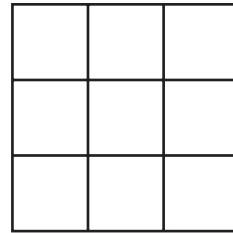
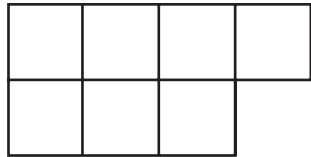
D 1 square meter

.....

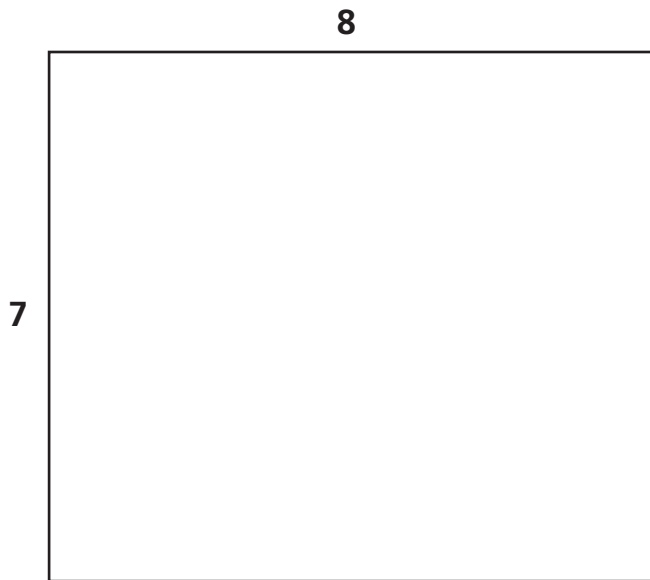
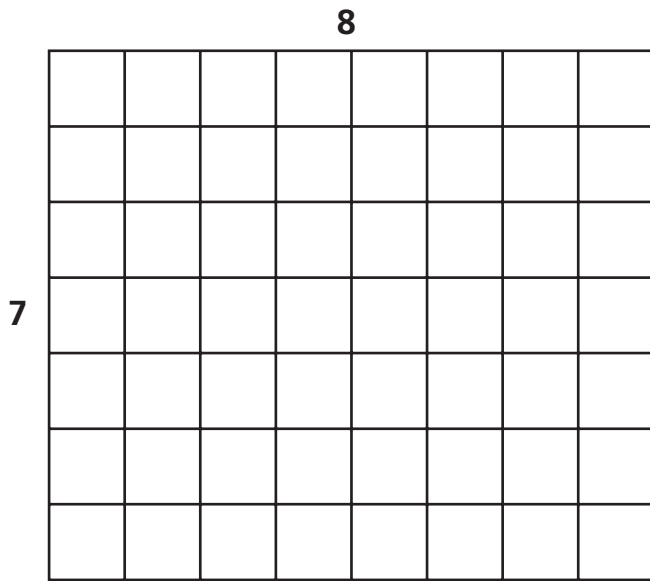
E 1 square yard

Be ready to discuss how you estimated the area of each of the items you found.

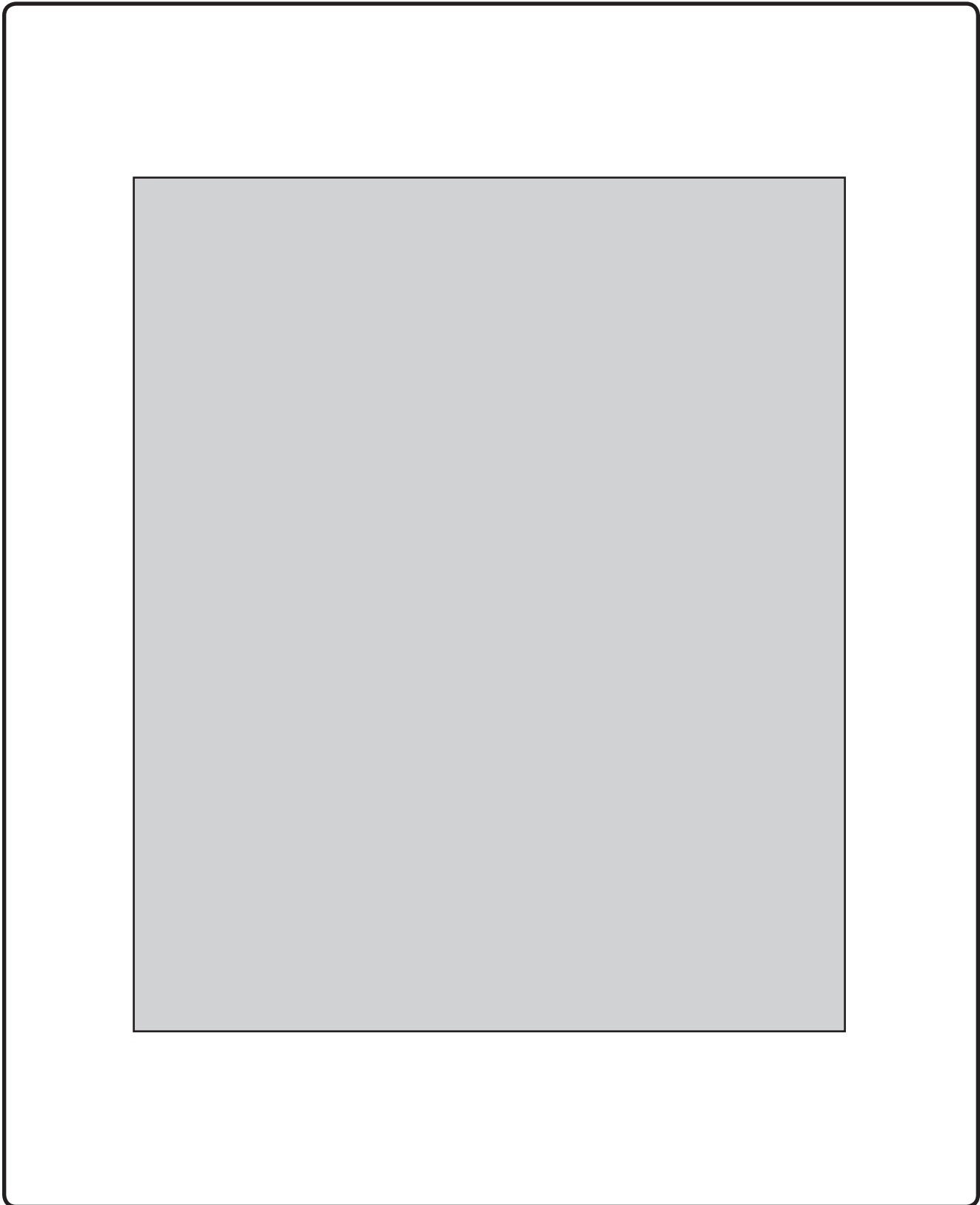
Grid Figures



7-by-8 Rectangle



Rectangle with No Grid



Triangle Perimeters

Estimate the perimeters of the triangles.

