

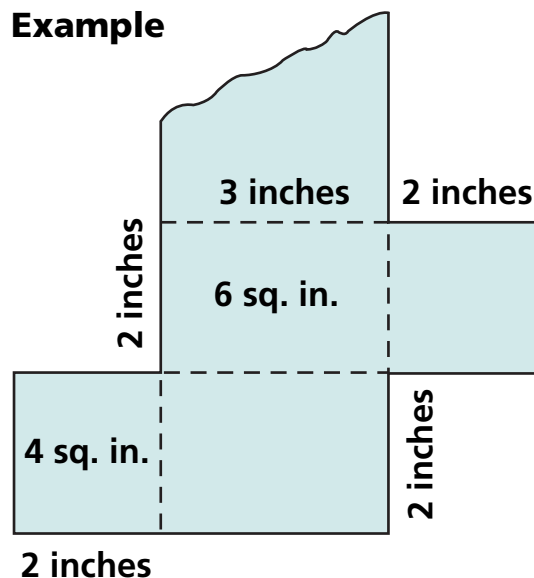
Finding the Areas of Faces on Three-Dimensional Figures

NCTM Standards 1, 3, 4, 6, 7, 8, 9, 10

Attach a small copy of the net for your three-dimensional figure here:

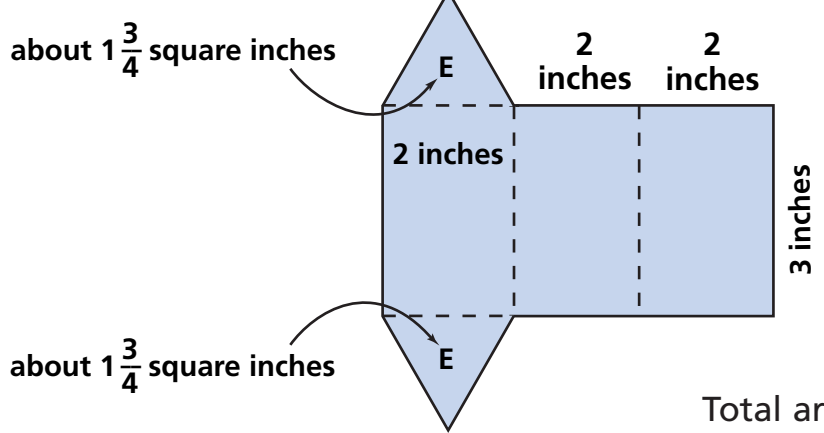
- 1 Label your picture to show the full size measurements of each edge of your polyhedron. See the example at the right.
- 2 Based on your measurements, label your picture to show the area of each face or surface of your polyhedron.
- 3 What is the total area of the faces or surfaces of your polyhedron?

Example



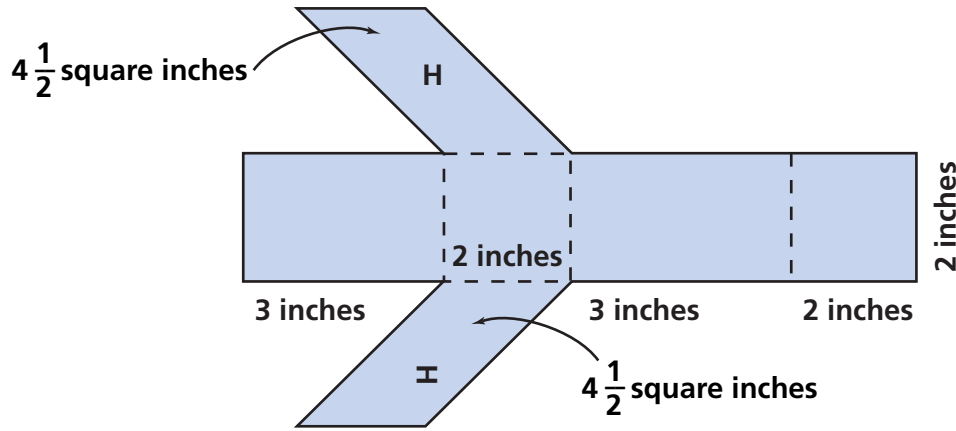
These small copies of nets are labeled with the measurements of the three-dimensional figure. Find the total area of the faces of each three-dimensional figure. All the figures whose areas are not given are rectangles.

4



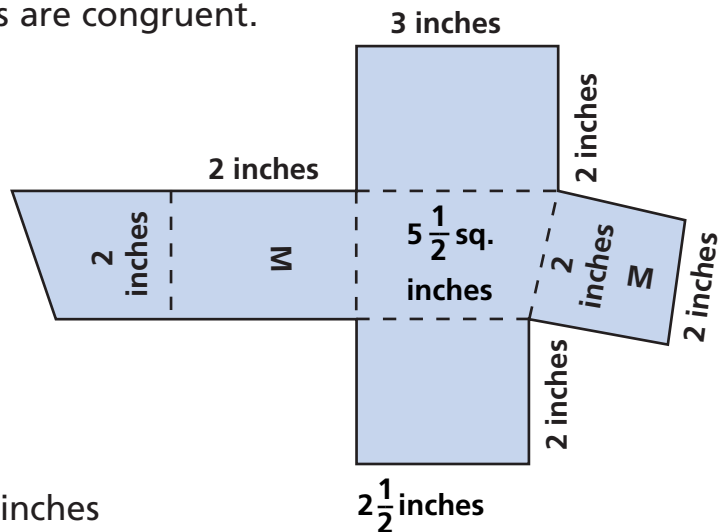
Total area = _____ square inches

5



Total area = _____ square inches

6 Challenge The trapezoids are congruent.



Total area = _____ square inches