

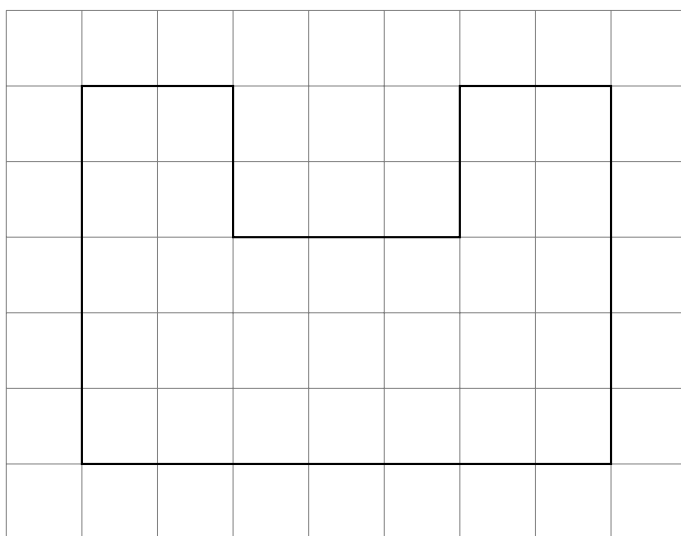
Name:

BECA / Dr. Huson / Geometry 02 Area and volume

**2.6 CW Compound areas, solving for a missing length**

1. Find the area  $A$  and perimeter  $P$  of a square with sides of length 10 centimeters.

2. Find the area  $A$  and perimeter  $P$  of the shape shown below. The grid is in centimeters.

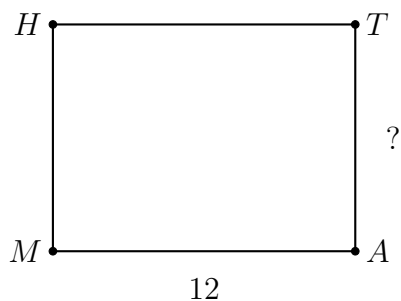


3. The area of a square is 100 square centimeters. Find the length of the side of the square.
4. The perimeter of a square is 100 square centimeters. Find the length of the side of the square.

5. On the grid below, accurately draw and label two adjacent squares, one with a side length of 4 cm, the other with a side length of 3 cm. The grid is in centimeters.



6. The rectangle  $MATH$  has an area of 102, with length  $MA = 12$ . Find the width of the rectangle  $AT$ .



7. One side of the  $\triangle ABC$  has a length  $AB = 8$ . The triangle's area is 44. Find the length of the altitude  $h$  of the triangle to vertex  $C$  and perpendicular to side  $\overline{AB}$ .

