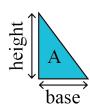
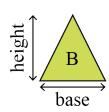
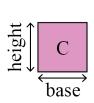


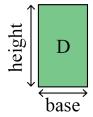
Another Dimension

Kalle draws four shapes on grid paper. Shape A is a right-angled triangle, shape B is an isosceles triangle, shape C is a square, and shape D is a rectangle. Each shape has a horizontal base and a vertical height.









Using the following clues, determine the base and height for each shape.

- 1. The base of shape A is equal to the base of shape D.
- 2. The base of shape A is one unit less than the base of shape B.
- 3. The height of shape C is equal to the base of shape A.
- 4. The height of shape B, the height of shape A, and the base of shape B are all equal.
- 5. The area of shape C is 9 square units.
- 6. The total area of all four shapes is 38 square units.

THEMES: COMPUTATIONAL THINKING, GEOMETRY & MEASUREMENT