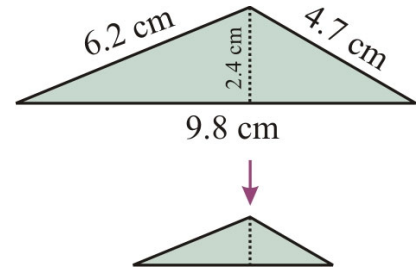


# Area and Perimeter Problems

1. A triangle's sides measure 4.7 cm, 9.8 cm, and 6.2 cm. Its altitude is 2.4 cm. Another, similar triangle, is just half that size.

- Find the perimeter of the smaller triangle.
- Find the area of the smaller triangle.



2. On paper, Mr. Smith's house plan measures 9" x 12". In reality, the house is 40 times as big. Find the perimeter of the house in feet, and its area in square feet.

3. The picture shows a rectangular yard with a 3-m gate, and a house inside the yard.

- What fraction of the total area of the yard does the area of the house take?
- Find the area of the actual yard, not including the area that the house takes.
- Find the cost of fencing this yard, when the fence costs \$11.59 per meter, and the gate costs \$120.

