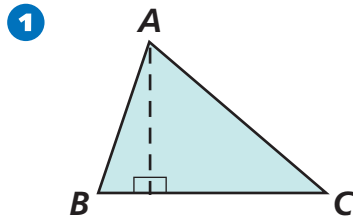


Area of Triangles and Trapezoids

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

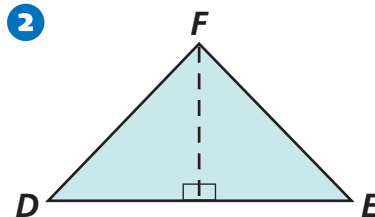
Find the area and perimeter of each triangle.
The given measures are approximate.



Base \overline{BC} 3 cm
Height 2 cm
Side \overline{AB} 2.1 cm
Side \overline{AC} 3 cm

Area _____

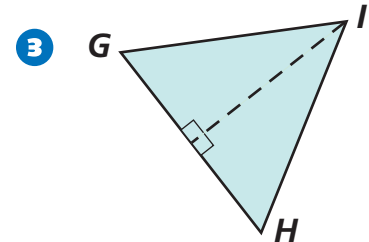
Perimeter _____



Base \overline{DE} 4 cm
Height 2 cm
Side \overline{FD} 3 cm
Side \overline{FE} 3 cm

Area _____

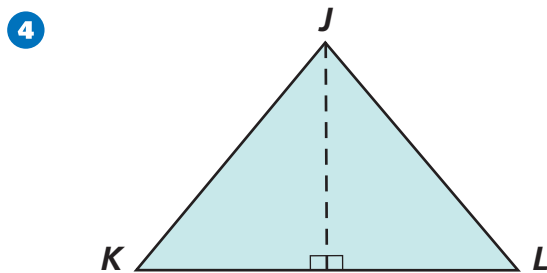
Perimeter _____



Base \overline{GH} 3 cm
Height 2 cm
Side \overline{GI} 3 cm
Side \overline{IH} 3 cm

Area _____

Perimeter _____



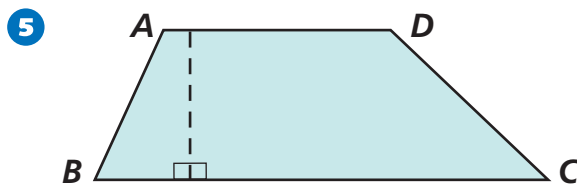
Base \overline{KL} 5 cm
Height 3 cm

Side \overline{JK} 4 cm
Side \overline{LJ} 4 cm

Area _____

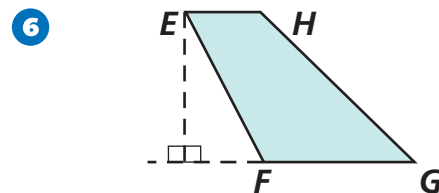
Perimeter _____

Find the area and perimeter of each trapezoid.
The given measures are approximate.



Base \overline{AD} 3 cm Side \overline{DC} 3 cm
Base \overline{BC} 6 cm Side \overline{AB} 2.3 cm
Height 2 cm

Area _____ Perimeter _____

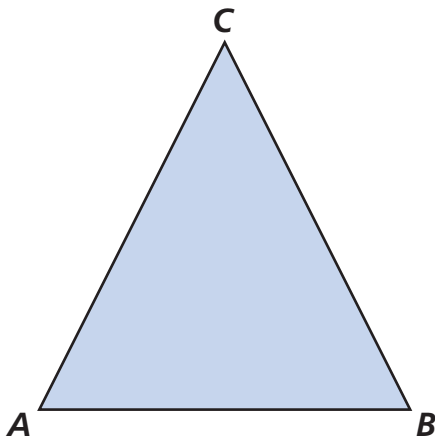


Base \overline{EH} 1 cm Side \overline{EF} 2.2 cm
Base \overline{FG} 2 cm Side \overline{GH} 3 cm
Height 2 cm

Area _____ Perimeter _____

Measure the dimensions and then find the area of each figure in square inches. Draw in the height. Measure to the nearest half inch.

7

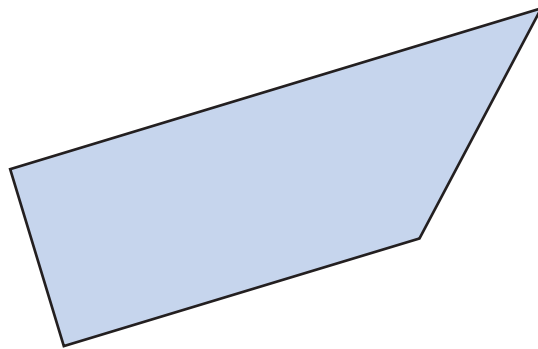


Base \overline{AB} _____

Height _____

Area _____

8



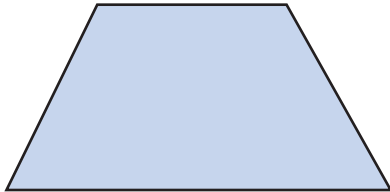
Base _____

Base _____

Height **1 in.** _____

Area _____

9



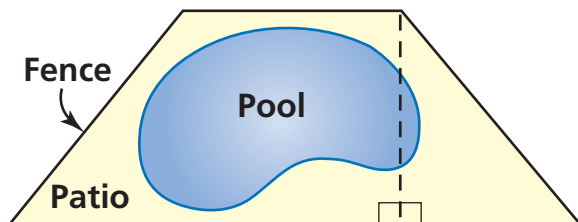
Base _____

Base _____

Height _____

Area _____

10 Challenge Use this diagram and scale to help you answer the questions. Measure to the nearest centimeter.



1 cm = 12 feet = _____ yards

A Approximately how many yards of fencing surround the pool and patio?

B How many square yards make up the approximate area inside the fence?
