Assignment

LESSON 4: Slicing and Dicing

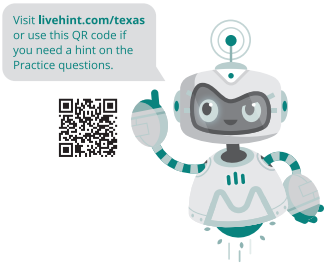
Write

Define *composite figure* and draw an example.

Remember

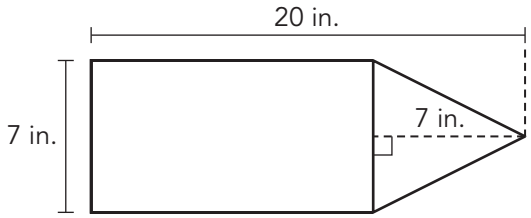
The area of a composite figure can be determined by decomposing it into familiar shapes and then adding the areas of those shapes together.

Practice

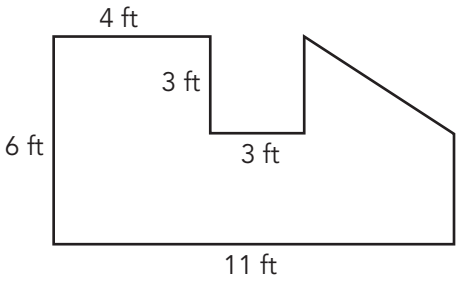


1. Calculate the area of the composite figure.

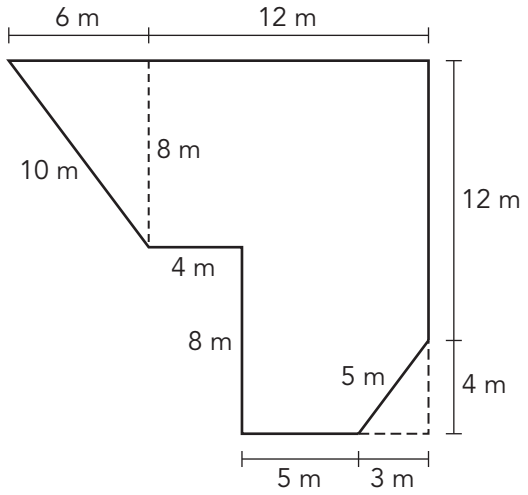
a.



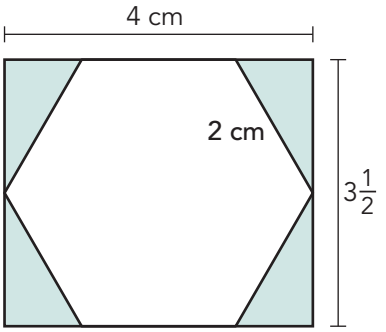
b.



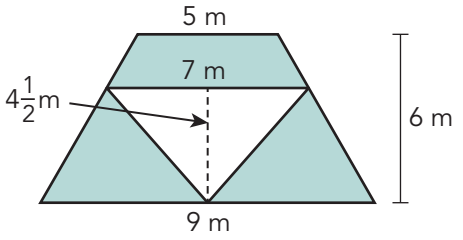
2. A city wants to create a garden according to the plan below. Calculate the area of the garden.



3. The figure shown is composed of a rectangle and a hexagon. The length of each side of the hexagon is 2 centimeters. Determine the area of the shaded region.



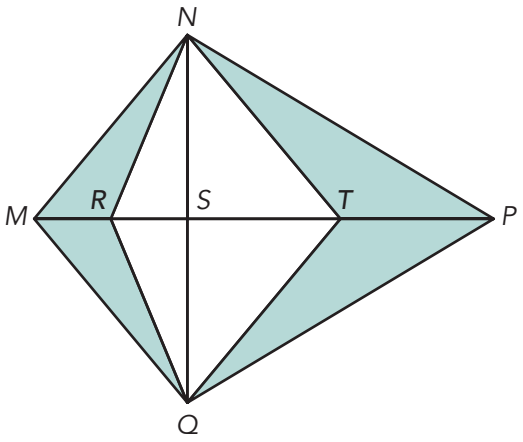
4. The figure shown is composed of a triangle within a trapezoid. Determine the area of the shaded region.



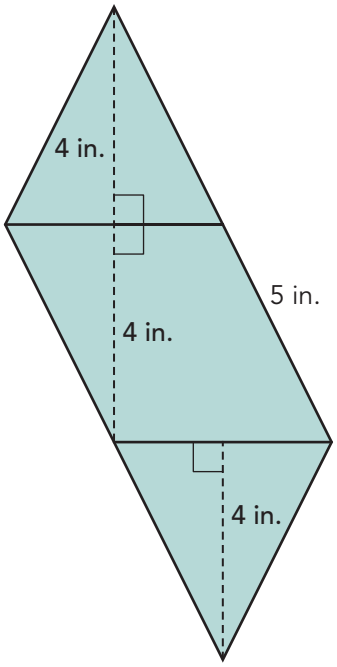
Stretch

Calculate the area of each shaded region.

1. The figure is composed of two kites.
   Given: $MR = RS = 5$ feet, $ST = PT = 10$ feet, and $NS = QS = 12$ feet.

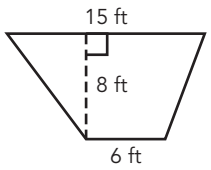


2. The figure is composed of two congruent triangles and a rhombus.

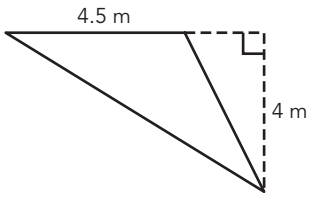


Review

1. A patio is built in the shape of a trapezoid, as shown. Determine the area of the patio.



2. Calculate the area of the given triangle.



3. Calculate the area of the given parallelogram.

4. Determine the area of a square picture that has a side length of 14 cm.
5. Use the Distributive Property to write an equivalent addition expression for $5(17 + 20)$.