

Primary activities

The goal of these activities is to determine the area of each tangram piece. These areas will be used to compute the areas of other polygons in [the next lesson](#).

1. Trace the small square in your notebook. Let's suppose this square has area one square unit. Write "one square unit" next to the small square. ▶
2. Make a square with the two small congruent triangles. What is the area of this square? How do you know? ▶
3. Trace one of the small triangles in your notebook. What is the area of this triangle? How do you know? Write the area next to the small triangle. ▶
4. Trace the parallelogram in your notebook. ▶
5. Make a (non-square) parallelogram with the two small congruent triangles. What is the area of this parallelogram? How do you know? Write the area next to the parallelogram. ▶
6. Trace the medium-size right triangle in your notebook. ▶
7. Make a triangle with the two small congruent triangles. What is the area of this triangle? How do you know? Write the area next to the medium-size triangle. ▶
8. Trace one of the large triangles in your notebook. ▶
9. Make a triangle with the small square and the two small congruent triangles. What is the area of this triangle? How do you know? Write the area next to the large triangle. ▶
10. Make a square with the two large congruent triangles. What is the area of this square? How do you know? ▶