

### Edgemo Lesson 10.3: Area of Composite Figures

**Essential Question:** How do we find the area of a figure made up of other figures?

Composite Figures

- Figures made up of two or more geometric shapes

Let's break it up!



How would we find the area of the shaded part of the figure?



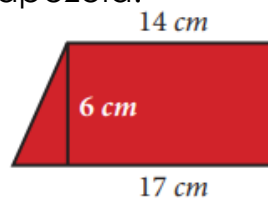
Composite Figures

- A \_\_\_\_\_ is an example of a composite figure.
- It has exactly one pair of parallel sides.



**Example #1:**

Find the area of the trapezoid.

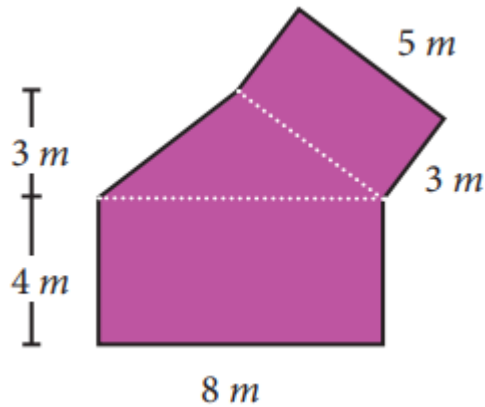


**Steps:**

1. Divide the figure up into familiar shapes.
2. Find the area of each shape.
3. Add the areas of each shape together.

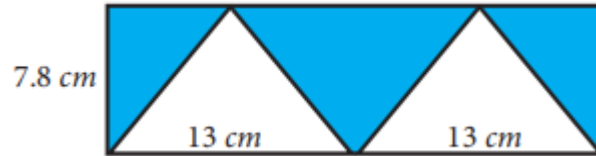
**Example #2:**

Calculate the area of the shaded region.



**Example #3:**

Calculate the area of the shaded region.



**Steps:**

1. Draw a diagram.
2. Find the area of the whole shape (rectangle).
3. Find the area of the triangle.
4. Subtract the area of the triangles from the area of the rectangle.
5. Make sure you include the unit of measurement!