Area of Interesting Shapes

Rectangle   Parallelogram

What can you say about area of the above rectangle and parallelogram?

A parallelogram and two triangles   A rectangle and a two triangles

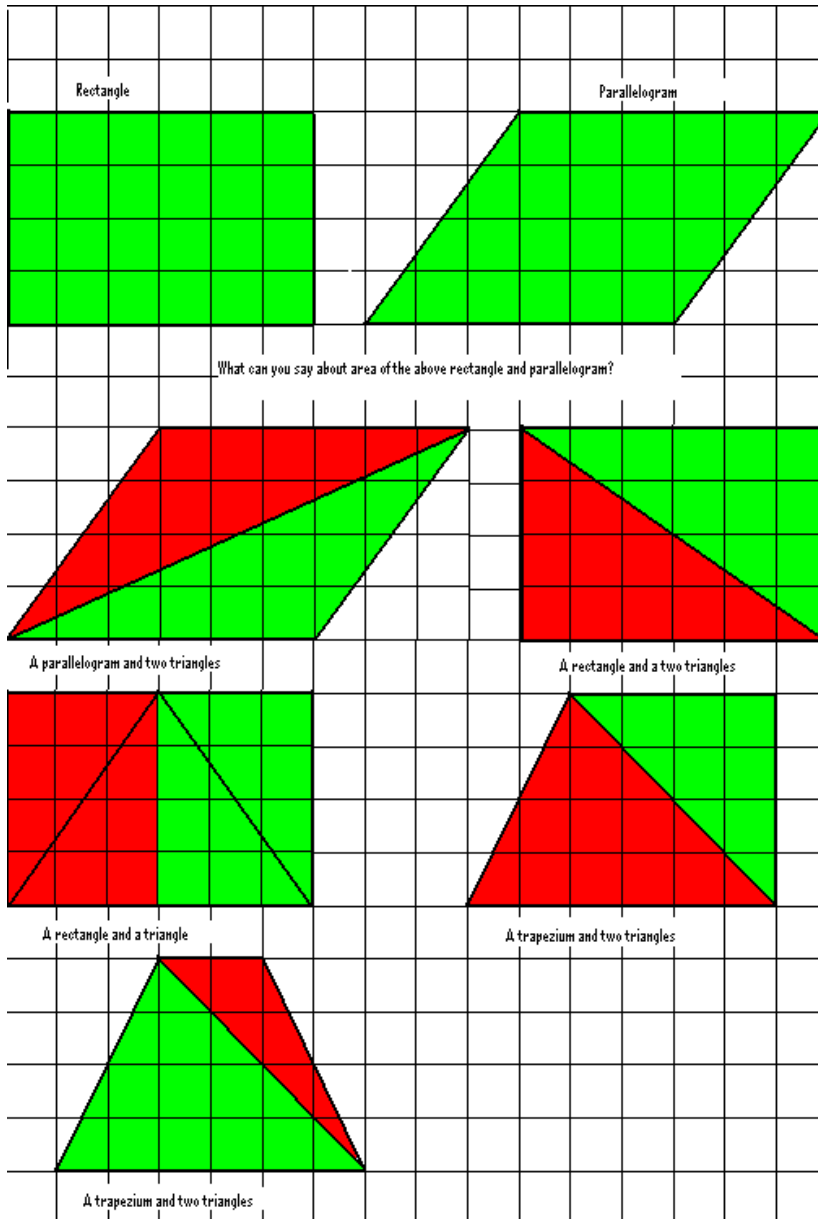A rectangle and a triangle   A trapezium and two triangles

A trapezium and two triangles

Find the areas of the above shapes. Generalize using the information given below.

1. The base (length) of the larger rectangle is b cm and its height h cm.

2. The shortest vertical distance between the parallel lines of the parallelogram is h cm and its base is b cm.

3. The lengths of the parallel sides of the trapeziums are a cm and b cm and the distance between them is h cm.