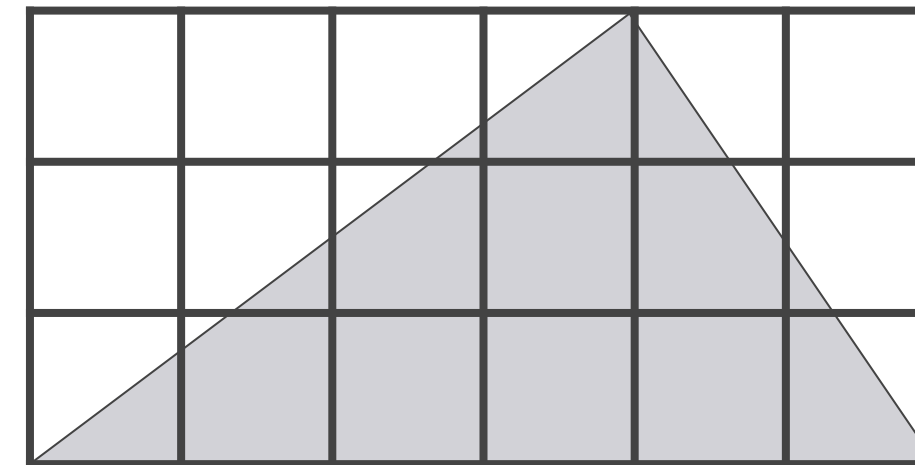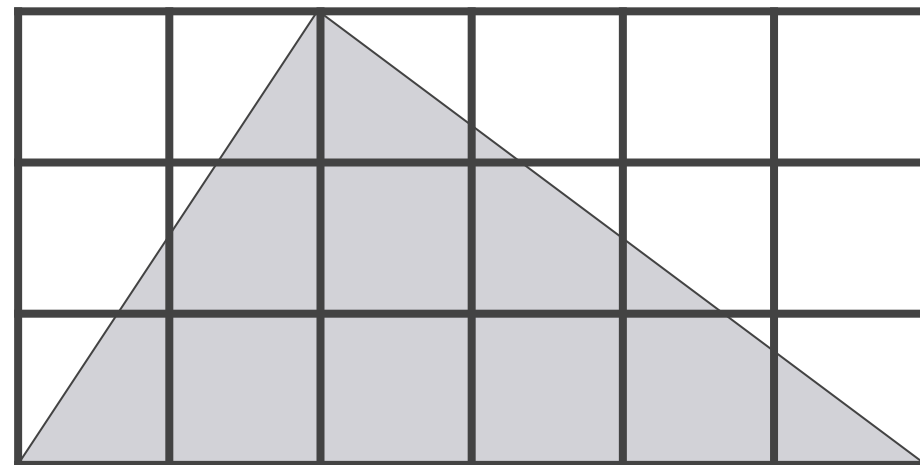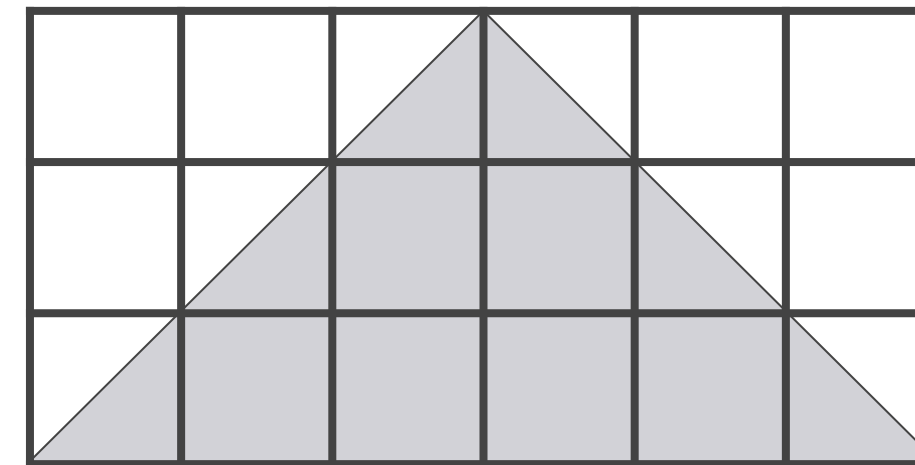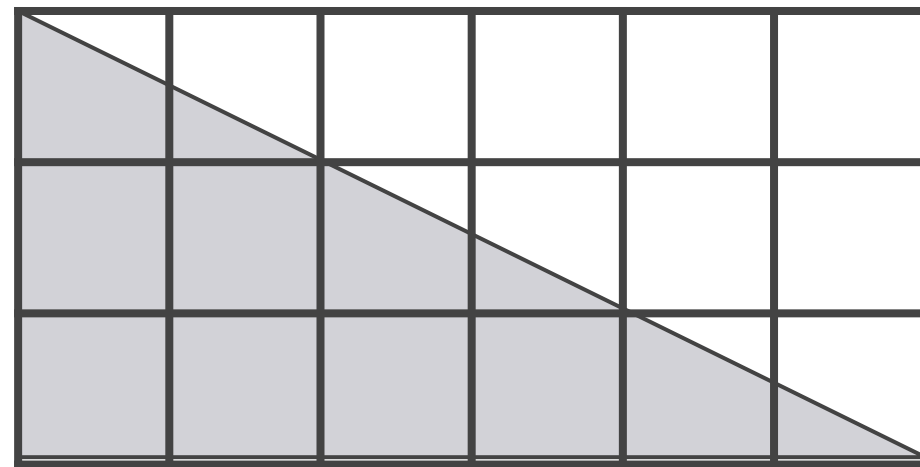Mathematics

Area of triangles
Lesson 7 of 8

Miss Kidd-Rossiter

Try this

How many squares are shaded?

Connect

Two **congruent** right-angled triangles can be joined on their longest side to form a rectangle.

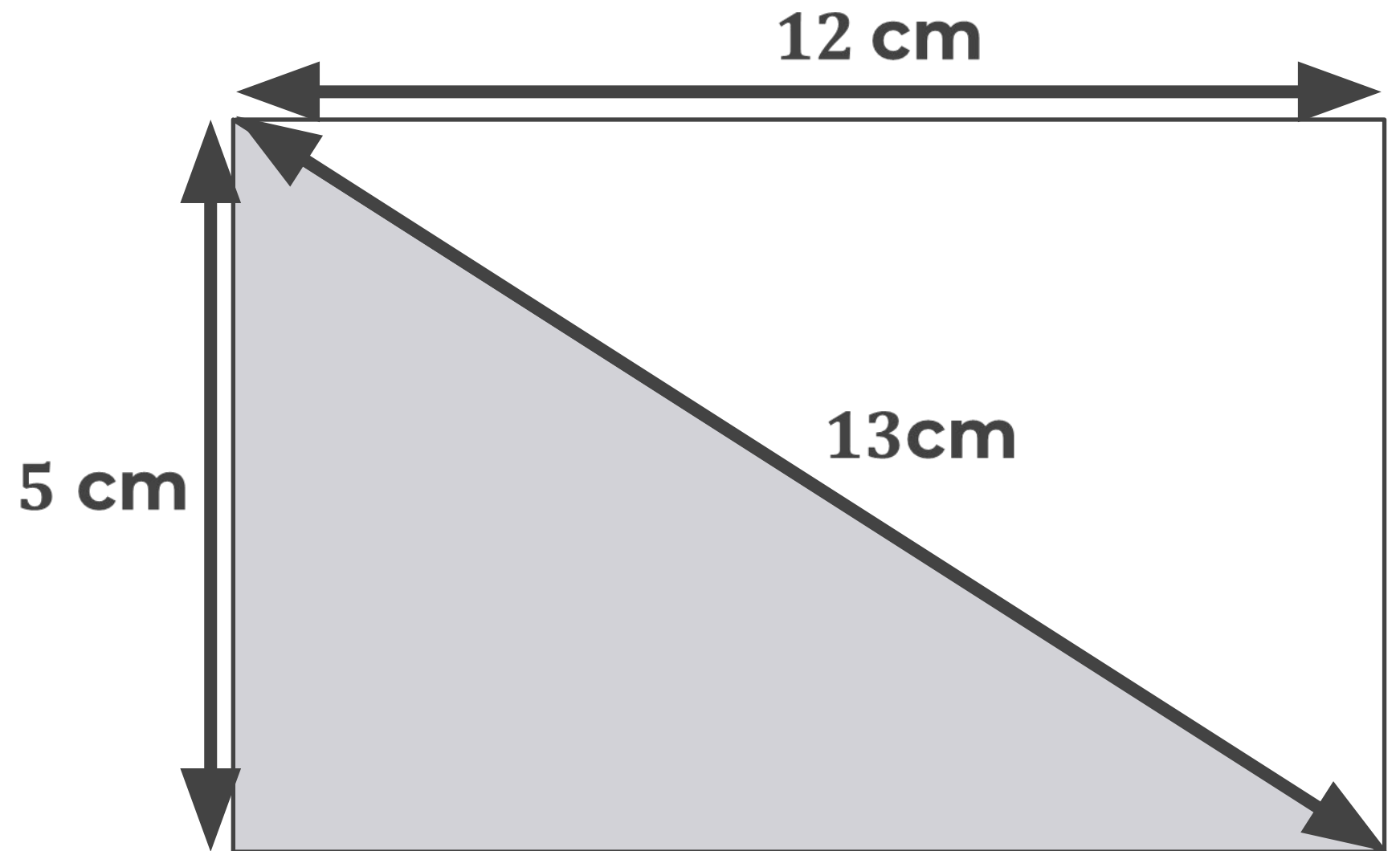What other shapes are formed if you join the triangles along different sides?

How could you use these shapes to find the area of the triangles?

Independent task

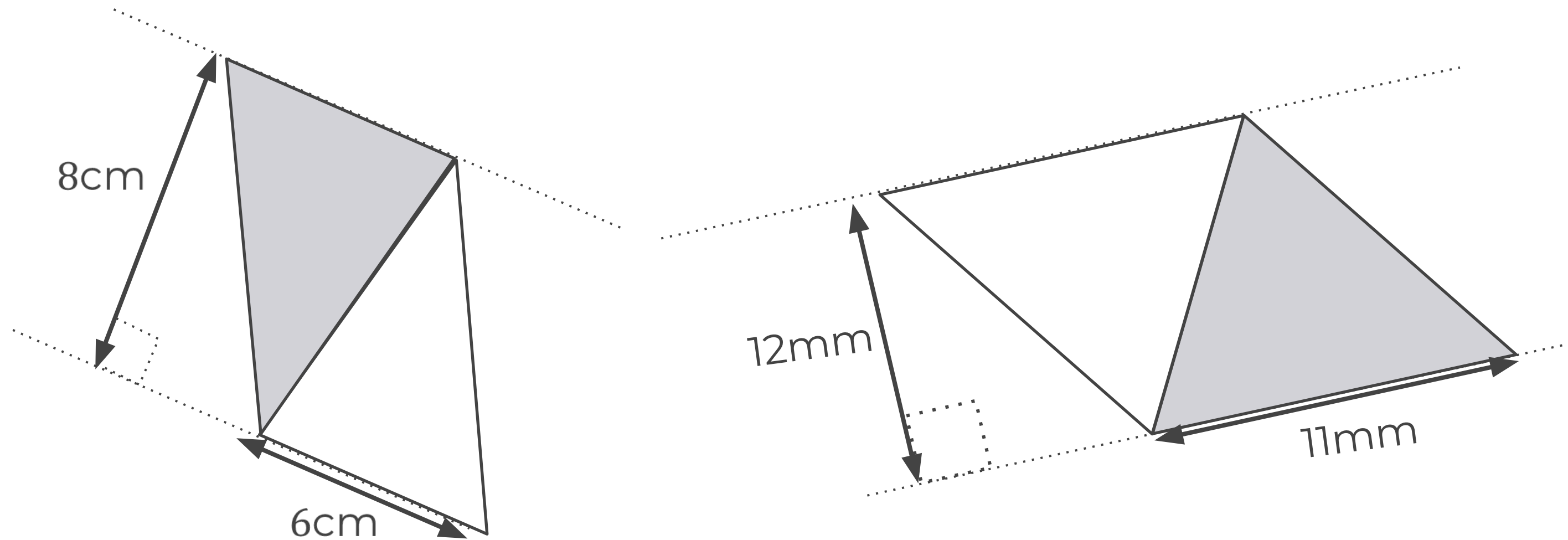1. A rectangle is made of two **congruent** triangles.

   Work out the area of one triangle.

12 cm
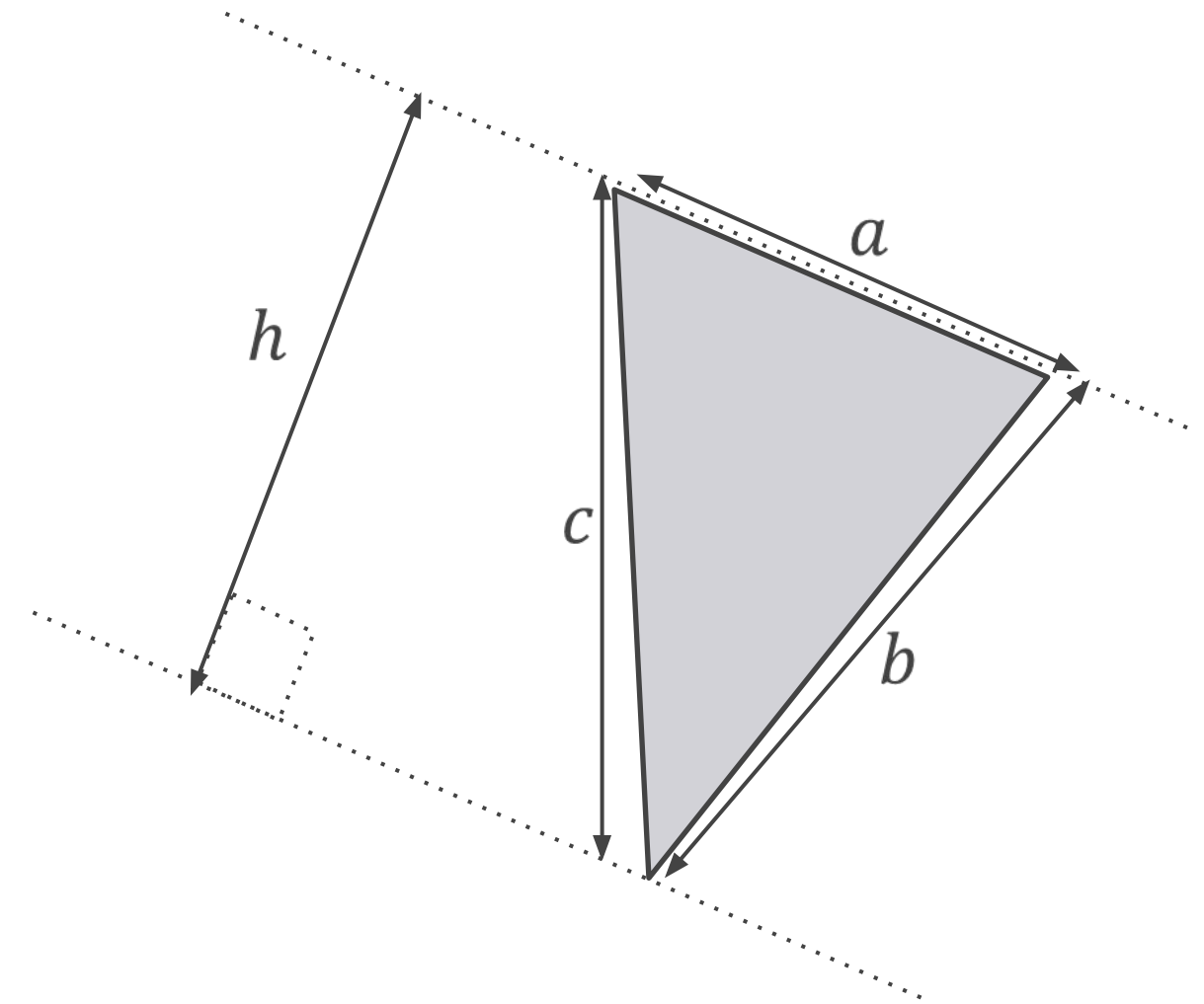
13cm

5 cm

Independent task

2. Parallelograms are made of two congruent triangles.

   In each case work out the area of one the triangles.

8cm

6cm

12mm

11mm

Independent task

3. Write an expression for the area of this triangle.

Explore

How many different expressions can you
find for the area of the triangles?