

Mathematics

Area of parallelograms

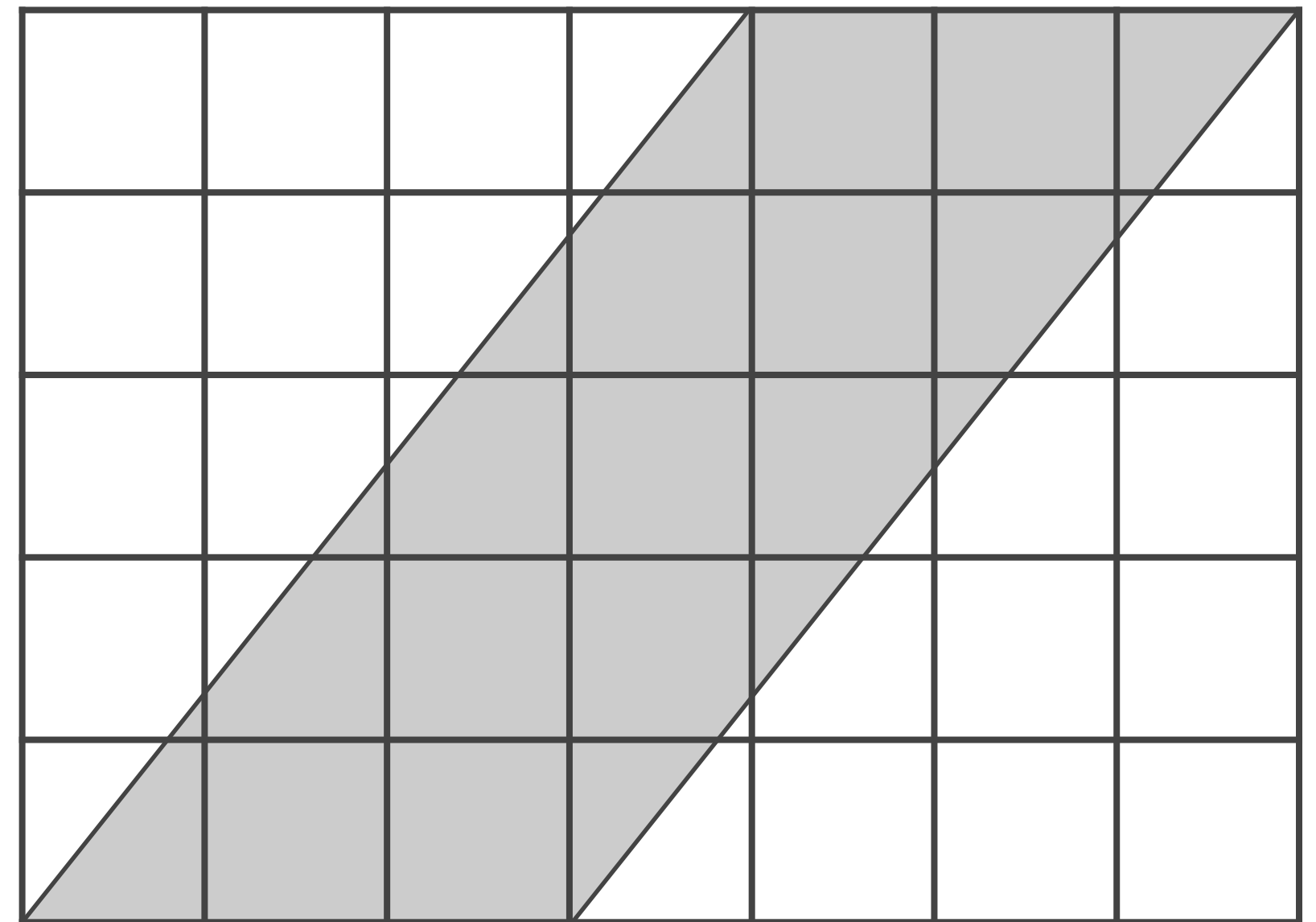
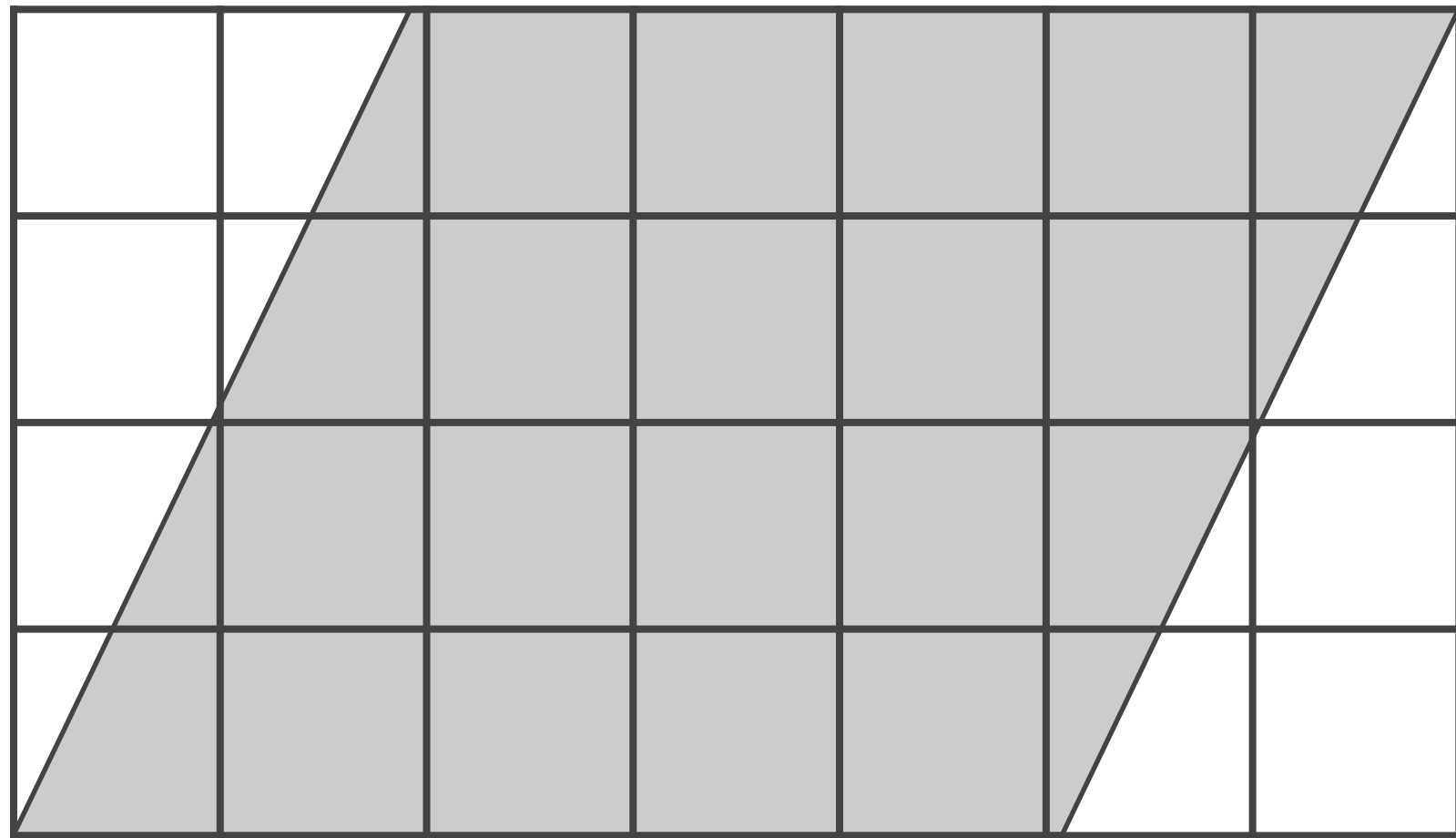
Lesson 6 of 8

Miss Kidd-Rossiter



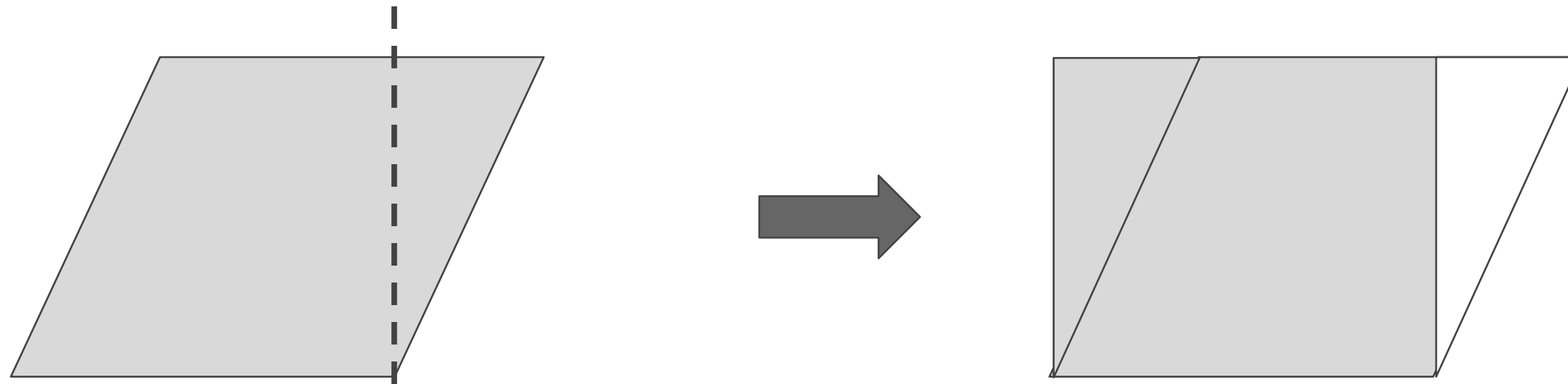
Try this

What is the area of each shaded shape?



Connect

A parallelogram can be cut up and rearranged to make a rectangle

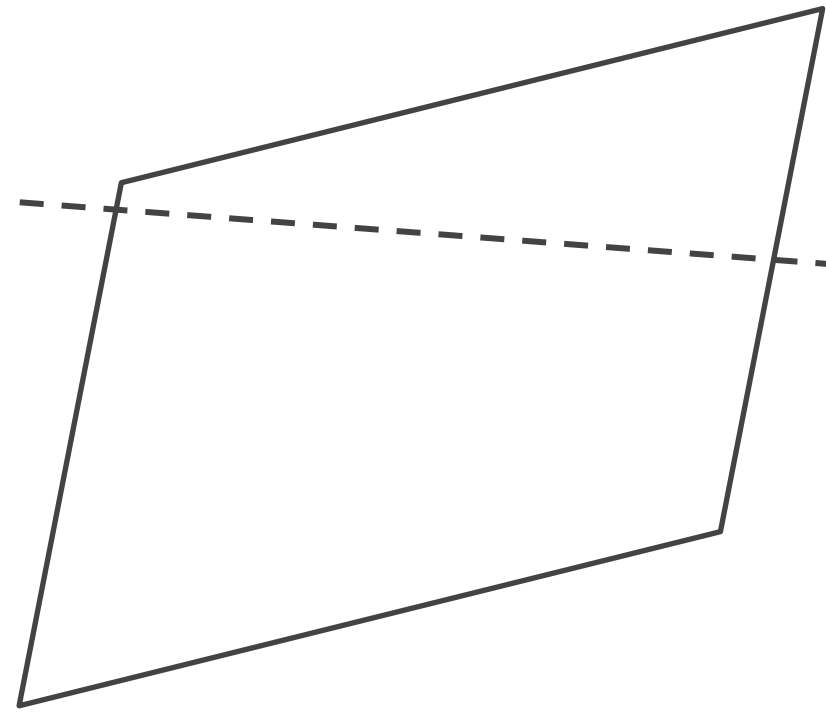
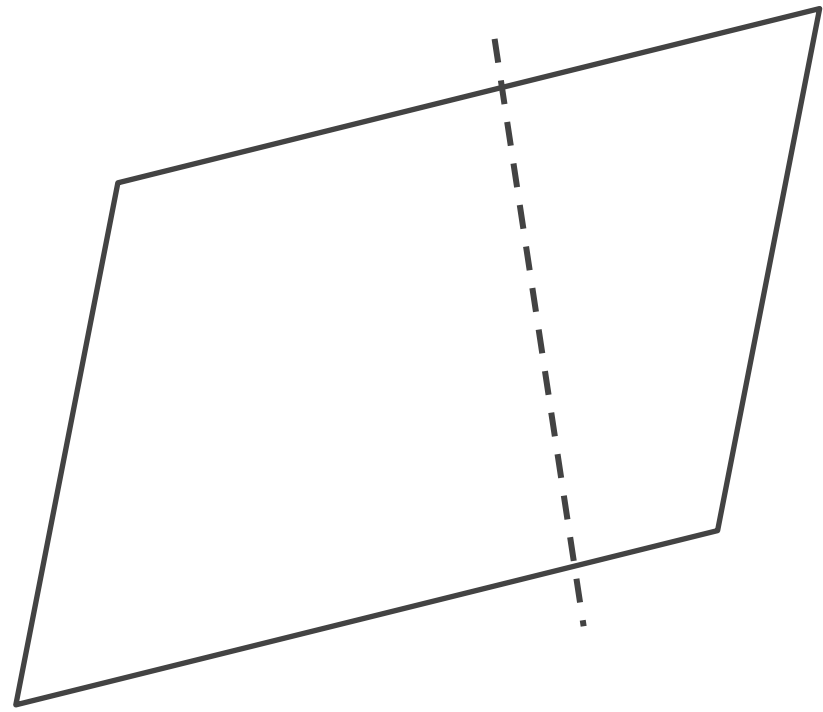


Will this always work?

What lengths would you need to know in order to find the area of the parallelogram?



Connect

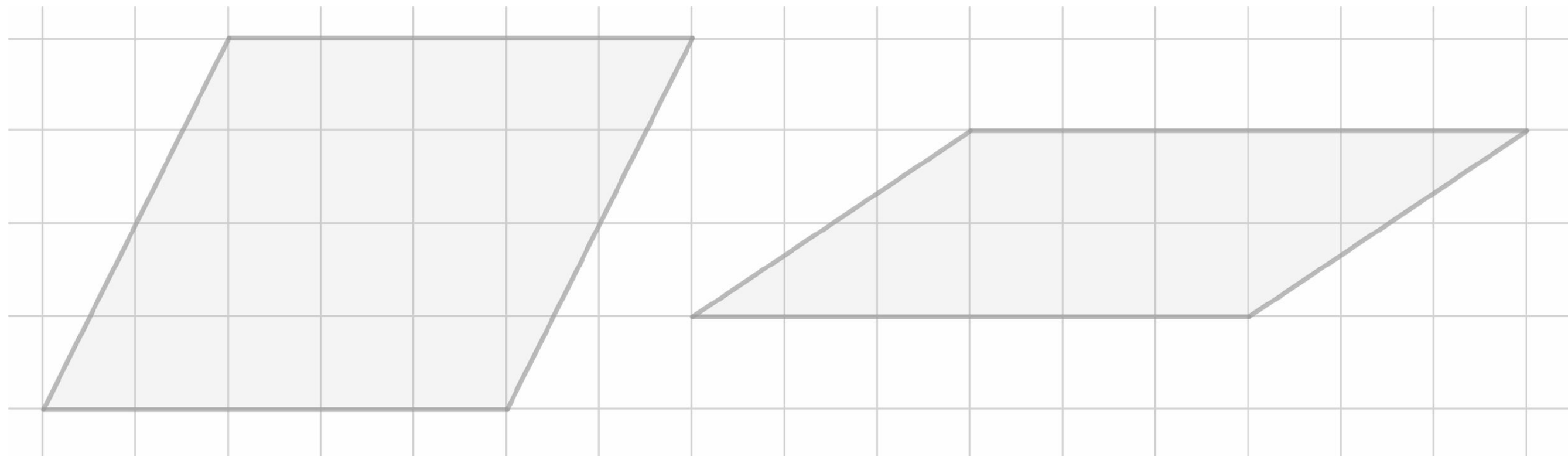


What lengths would you need to know in order to find the area of the parallelogram?



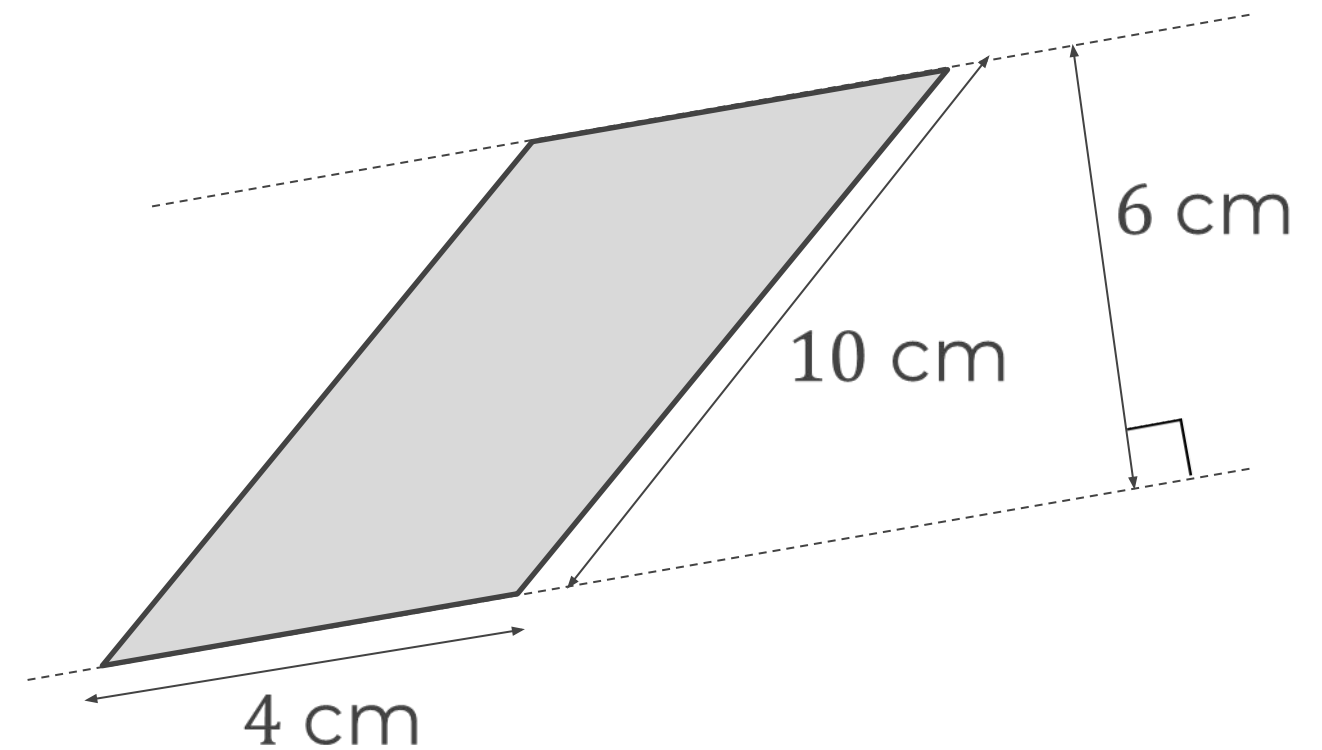
Independent task

1. What is the area (in squares) of these two parallelograms?



Independent task

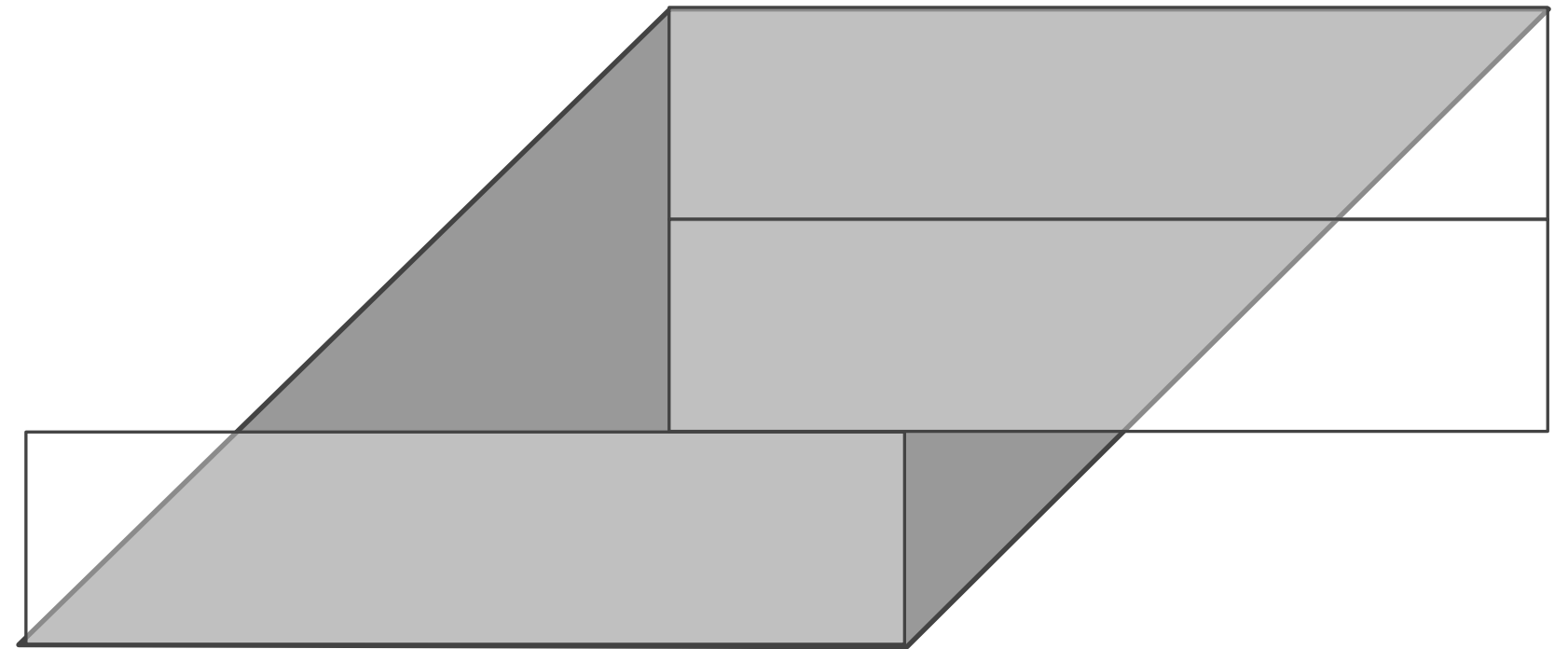
2. Work out the area of this parallelogram.



Independent task

3. A parallelogram with area 126cm^2 sits behind three identical rectangles.

What is the area of each rectangle?



Explore

Explain how you know the area of the 6 rectangles is equivalent to the area of the parallelogram.

Write an expression for the area of the parallelogram.

