

Can you solve these challenge questions below?

- ❖ Remember to underline the important information and solve each problem one step at a time!

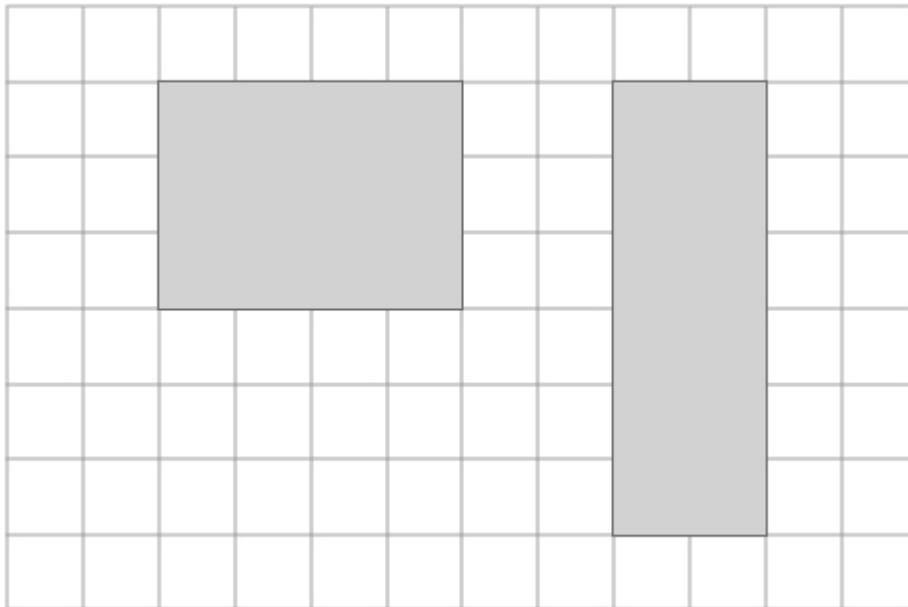
Draw **one line** from each shape to the rectangle which has the **same area**.

One is done for you.

The diagram shows a 10x5 grid. Three shapes are shaded: a triangle with base 2 and height 2, a diamond with side length 2, and a triangle with base 4 and height 4. To the right are six rectangles with dashed lines for cutting. A line connects the top triangle to the smallest rectangle (1x2).



Look at the shaded rectangles drawn on a centimetre square grid.



Are these shapes the same area?

How do you know?