## Rectilinear shapes Lesson 5 of 8

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## Try this

How many different compound shapes can you make by joining the sides of the two rectangles below?


## Connect

In a rectilinear shapes, all sides meet at right angles.
Which of the following shapes could be described as rectilinear?


## Connect

The area of the hexagon was calculated by splitting it into rectangles.
Explain how the calculation relates to the area.


$$
10 \times 9+6 \times 3
$$

What splitting strategy could have led to the following calculations?

$$
12 \times 6+4 \times 9 \quad 10 \times 12-3 \times 4
$$

$$
9 \times 6+4 \times 9+6 \times 3
$$

## Independent task

1. Which of these shapes is rectilinear?


## Independent task

2. Complete the diagram with all dimensions and work out the area and perimeter of this shape.


## Explore

Two rectangles with a known area and perimeter are used to construct rectilinear compound shapes.


For which shapes do you know the area?
Can you find the perimeter of any of the shapes?

