Y6 – Spring – Block 5 – Step 1 – Shapes – same area Answers
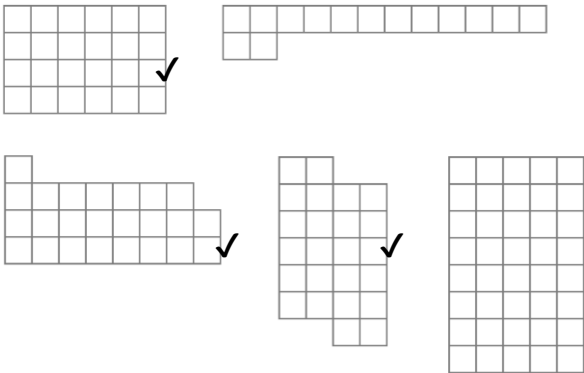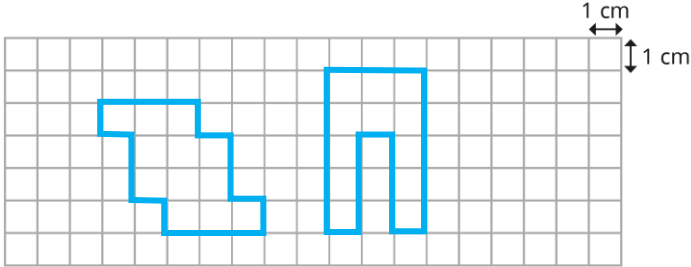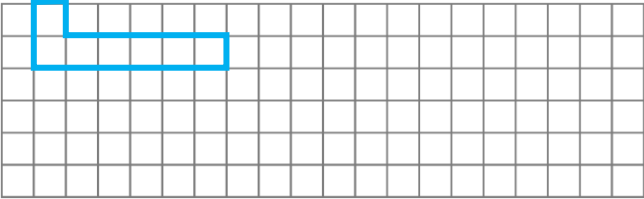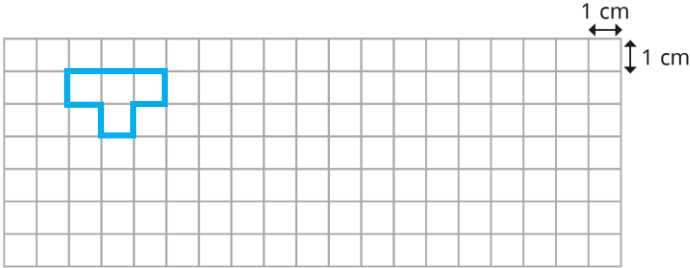
Question	Answer
1	The length of the rectangle is **5** cm. The width of the rectangle is **4** cm. The total number of squares in the rectangle is **20** The area of the rectangle is **20** cm²
2	a) 12 cm² b) 12 cm² The areas are the same.
3	a) child's labelled drawings of a 1 × 8 rectangle and a 2 × 4 rectangle b) 1, 2, 4, 8 The sides of the rectangles with an area of 8 cm² are factor pairs of 8
4	
5	three possible rectangles: 1 × 12 2 × 6 3 × 4 multiple possible rectilinear shapes, e.g. Children can count the number of squares in each other's shapes to check the areas.
6	No A rectangle with sides of 3 cm and 8 cm has an area of 24 cm², but this shape is not a rectangle. It has a smaller area than the rectangle.

Question	Answer
7	a) 7 cm² b) multiple possible answers, e.g. Children can count the number of squares in each other's shapes to check the areas.
8	not true, e.g. 1 cm 1 cm The sides of the shape are all 1 cm or 3 cm, and its area is 4 cm²