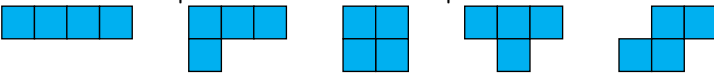
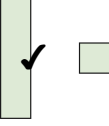
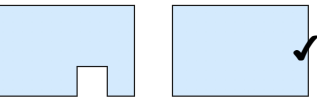
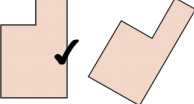
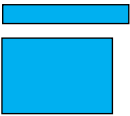


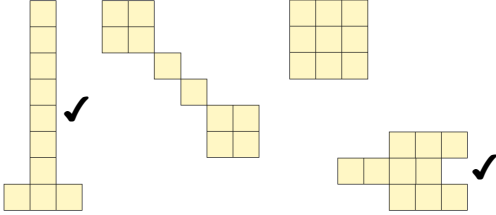
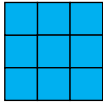
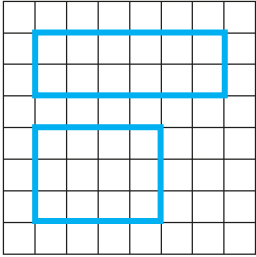
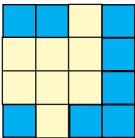
Y4 – Spring – Block 2 – Step 1 – What is area? Answers

Question	Answer
1	<p>a) There are five possible different shapes:</p>  <p>b) They use the same number of sticky notes.</p>
2	<p>a) No. There are gaps not covered by counters.</p> <p>b) They are round, so do not fill the space.</p>
3	<p>a) drawing of triangle with area less than given triangle</p> <p>b) drawing of triangle with area greater than given triangle</p>
4	<p>a) </p> <p>b) </p> <p>c) </p>
5	<p>No.</p> 
6	224 sticky notes
7	<p>No. The squares of paper are not all the same size. There are gaps between the sheets of paper. The sheets of paper are overlapping.</p>

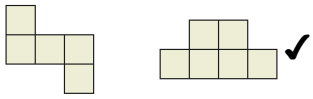
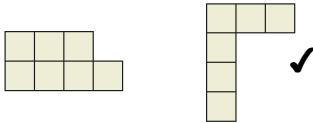
## Y4 – Spring – Block 2 – Step 2 – Counting squares Answers

Question	Answer
1	shape A: The area is 9 squares. shape B: The area is 10 squares. shape C: The area is 11 squares. C
2	The area is 14 squares.
3	a) 4 squares b) 6 squares c) 10 squares
4	Jack They both have an area of 9 squares.
5	a) The rectangle has 3 rows and 4 columns. b) 12 squares c) Either count the squares or work out $3 \times 4$
6	A = 7 squares B = 10 squares C = 24 squares
7	false Eva's shape is made using larger squares, so has a larger area.
8	7 squares 4.5 squares

Y4 – Spring – Block 2 – Step 3 – Making shapes Answers

Question	Answer
1	a) shape made from 7 squares b) shape made from 13 squares
2	two shapes made from 8 squares
3	shape made by shading 5 more squares
4	
5	No. drawing of square made from an odd number of squares, e.g.: 
6	
7	a)  b) 16 squares c) 5 × 5 squares 9 more squares
8	No. He has made the same shape rotated through 90°.
9	shapes made from 6 squares There are 35 possible different shapes.

Y4 – Spring – Block 2 – Step 4 – Comparing area Answers

Question	Answer
1	<p>a) </p> <p>b) </p>
2	<p>a) &lt;</p> <p>b) &gt;</p> <p>c) &lt;</p>
3	<p>No. Shape A has area of 11 squares and shape B has area of 15 squares.</p>
4	<p>a) 18 squares b) shape with area of 20 squares</p>
5	<p>C, H, O</p>
6	<p>a) The difference in area of the playing fields is 2 squares. b) The difference in area of the vegetable patches is 2 squares. c) <b>High Street</b> School now has the larger vegetable patch. High Street School: 8 squares, Main Street School 7 squares</p>