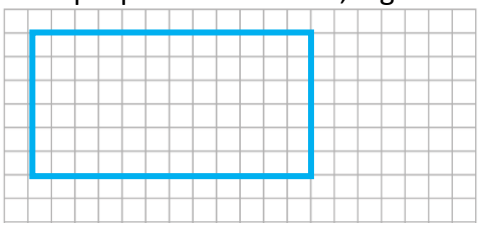
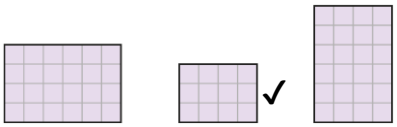
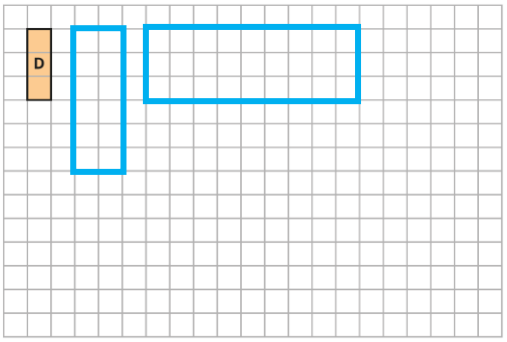
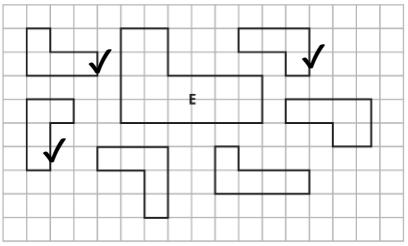
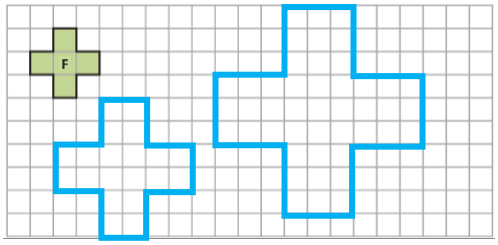
Y6 – Spring – Block 1 – Step 7 – Similar shapes Answers

Question	Answer
1	a) length 4 cm, width 2 cm b) length 8 cm, width 2 cm c) All the sides in shape A have been multiplied by the same number to give shape B. d) multiple possible answers, e.g. 
2	 In the first and third rectangles all the sides have been multiplied by 2, and the third rectangle has been rotated. In the second rectangle, all the sides have increased by 1, rather than been multiplied by the same number.
3	multiple possible answers, e.g. 
4	
5	a) $a = 16$ cm b) $b = 42$ cm c) $c = 2.5$ cm

Y6 – Spring – Block 1 – Step 7 – Similar shapes Answers (continued)

Question	Answer
6	
7	a) 20 m b) 80 cm The perimeter changes by the same scale factor as the sides of the rectangle.