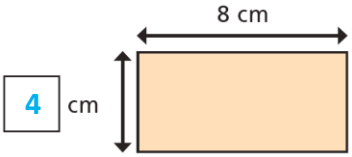
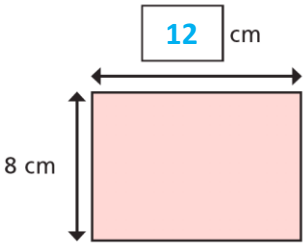
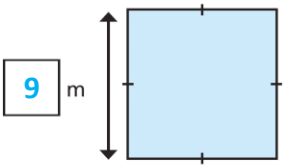
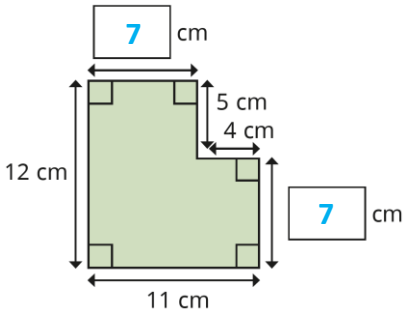
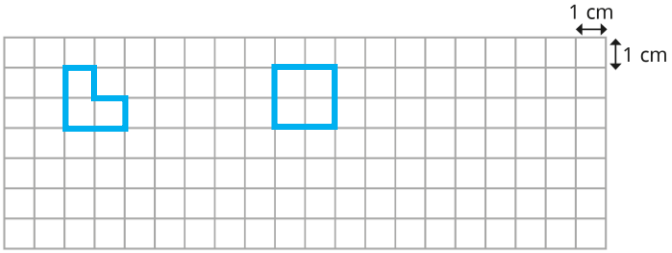
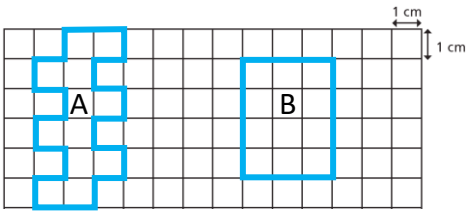
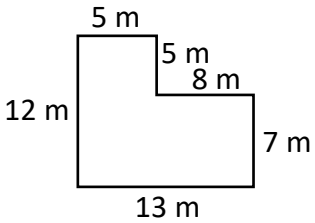
Y6 – Spring – Block 5 – Step 2 – Area and perimeter Answers

Question	Answer
1	**Area** is the amount of space **inside** a two-dimensional shape. It can be measured in units such as **cm²** or **m²** **Perimeter** is the distance **around** a two-dimensional shape. It can be measured in units such as **cm** or **m**.
2	a) perimeter = 20 cm area = 24 cm² b) perimeter = 20 cm area = 16 cm²
3	a)  area = 32 cm² perimeter = **24** cm b)  area = **96** cm² perimeter = 40 cm c)  area = **81** m² perimeter = 36 m d)  area = **112** cm² perimeter = **46** cm
4	a) area = 30 cm² perimeter = 22 cm b) area = 29 cm² perimeter = 22 cm The shapes have the same perimeter but different area.

Question	Answer
5	multiple possible answers, e.g.  Draw a rectangle and then remove a square from the corner. The perimeter will stay the same, but the area will be smaller.
6	 The lengths of the sides of shape B are very close together.
7	a) multiple possible answers, e.g.  b) 156 m^2 c) 24 m^2 (similar shape to shape A in answer for question 6)