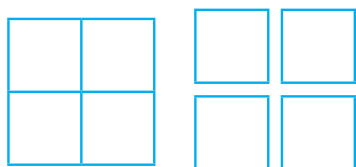
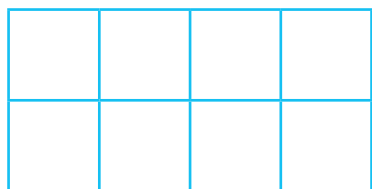
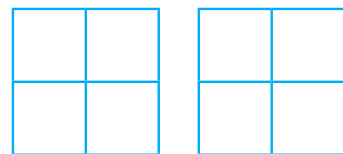


56 RECTANGLES AND SQUARES

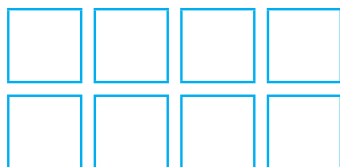
- 1 Joshua drew a 4 by 2 rectangle on squared paper. He found he could **cut** it into squares in three different ways.



or



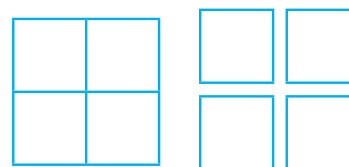
or



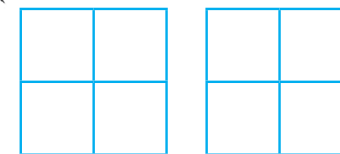
- a How many ways can you cut a 6 by 3 rectangle into squares?
- b What about a 7 by 3, 8 by 3, ... rectangle?
- 2 a Can a 5 by 3 rectangle be cut into 7 squares?
- b What about 8 squares? 9 squares? Give mathematical reasons for your answers.
- c Investigate how many ways you can cut other different-sized rectangles.

56 RECTANGLES AND SQUARES

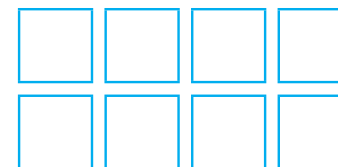
- 1 Joshua drew a 4 by 2 rectangle on squared paper. He found he could **cut** it into squares in three different ways.



or



or



- a How many ways can you cut a 6 by 3 rectangle into squares?
- b What about a 7 by 3, 8 by 3, ... rectangle?
- 2 a Can a 5 by 3 rectangle be cut into 7 squares?
- b What about 8 squares? 9 squares? Give mathematical reasons for your answers.
- c Investigate how many ways you can cut other different-sized rectangles.