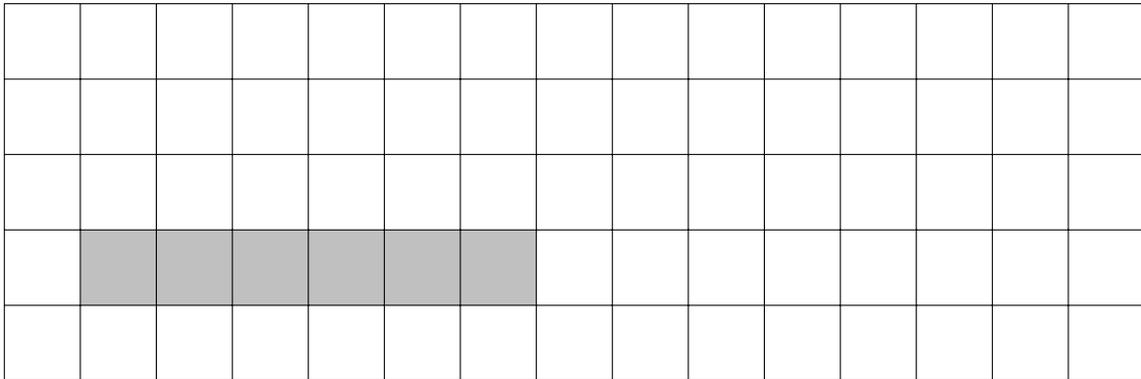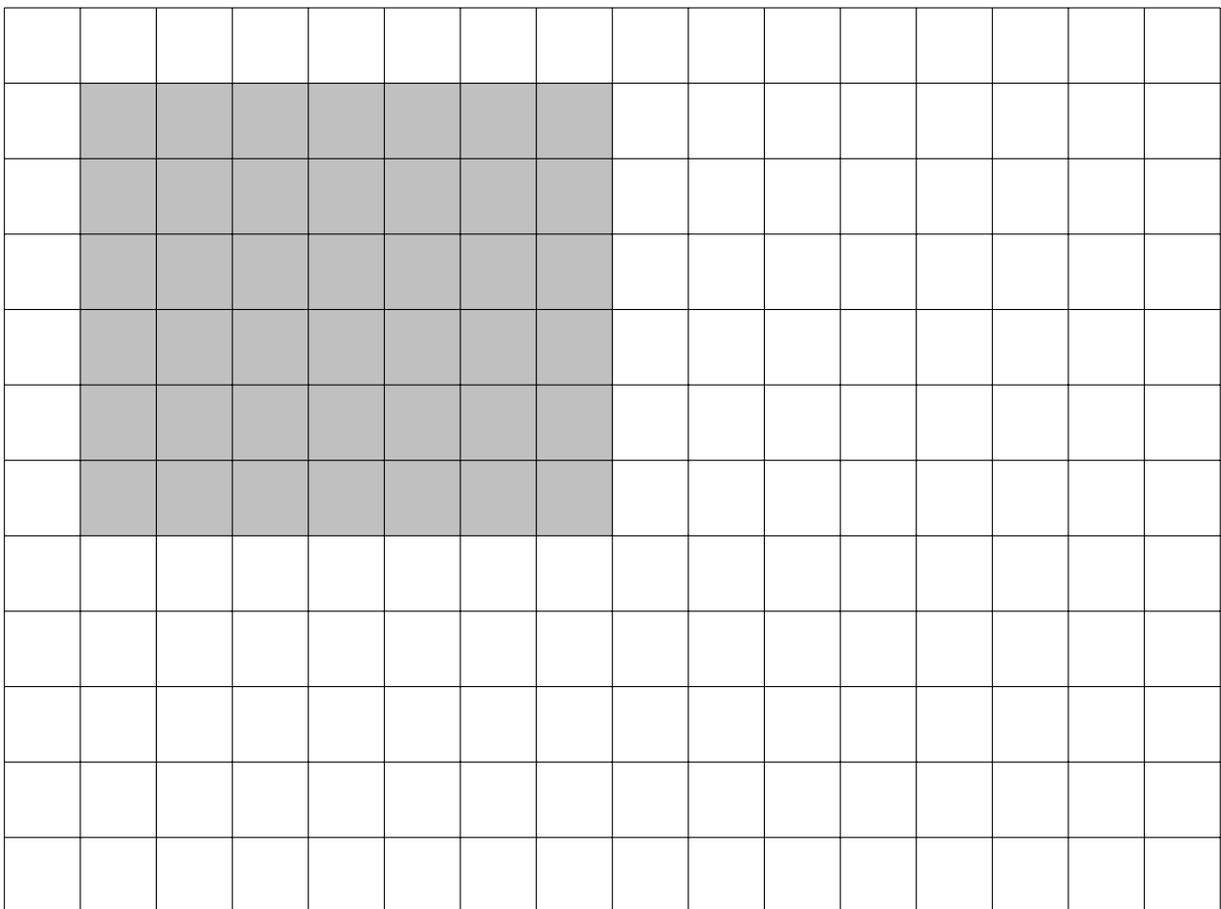1. 6 written as a product of its prime factors $= 2 \times 3$

   On the centimetre grid, draw a **different** rectangle with an area of 6 cm^2

2. 42 written as a product of its prime factors $= 2 \times 3 \times 7$

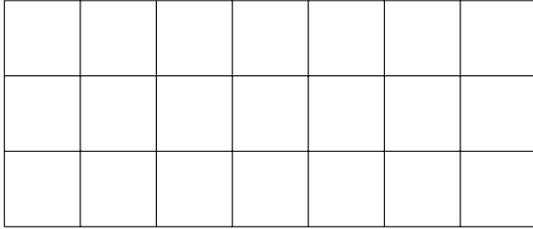   On the centimetre grid, draw a **different** rectangle with an area of 42 cm^2
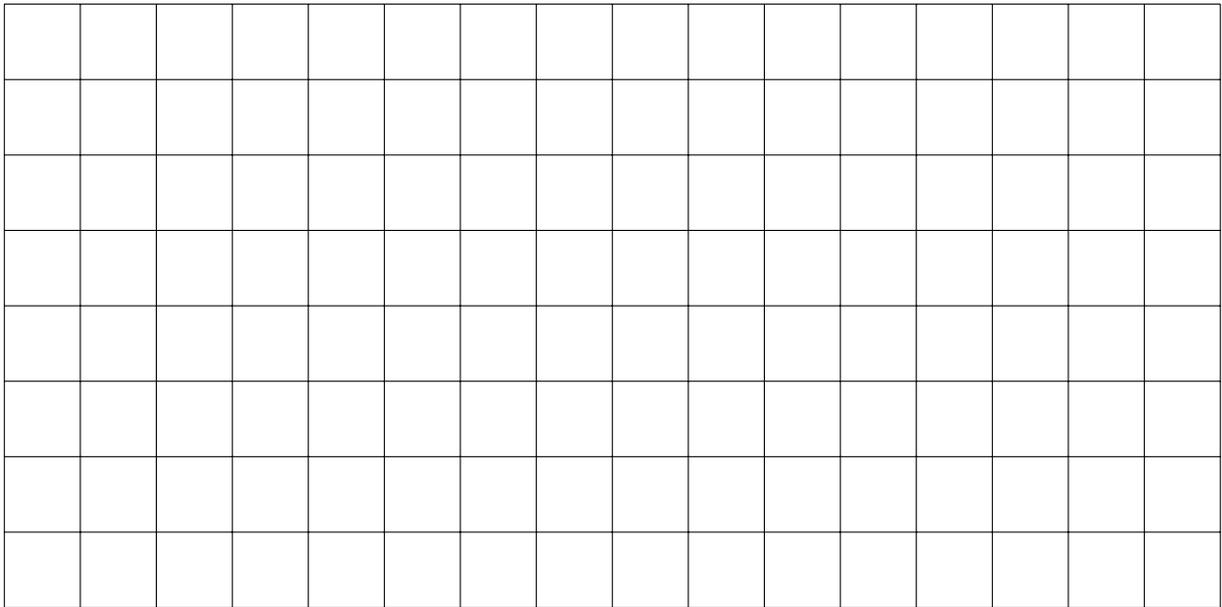
Turn over for more questions and answers

Answers

1) rectangle 3 cm by 2 cm   2) rectangle 3 cm by 14 cm   3) rectangle 2 cm by 4 cm
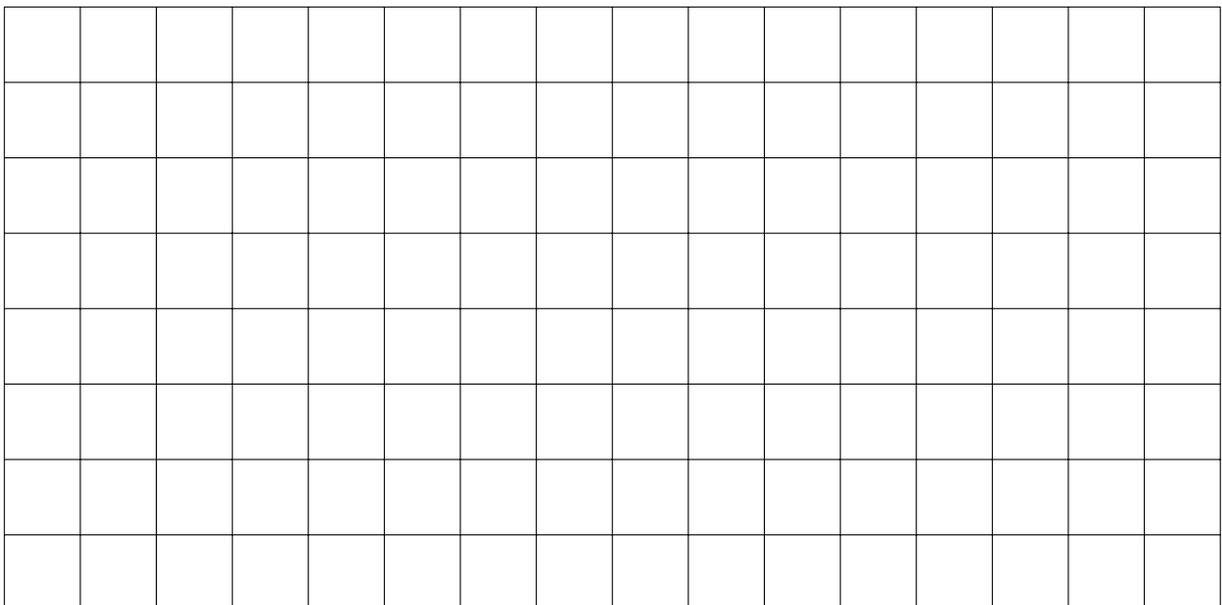
3. On the centimetre grid, draw a **rectangle** with an area of 8 cm^2

4. On the centimetre grid, draw a **rectangle** with an area of 32 cm^2

5. On the centimetre grid, draw a **rectangle** with an area of 24 cm^2

Extension draw other possible rectangles for questions 4 and 5

Answers 4) rectangle 2cm by 16 cm or 4 cm by 8 cm

5) rectangle 2cm by 12 cm or 3 cm by 8 cm or 4 cm by 6 cm