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 $6 \mathrm{~cm}^{2}$

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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 $42 \mathrm{~cm}^{2}$

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3. On the centimetre grid, draw a rectangle with an area of $8 \mathrm{~cm}^{2}$

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Turn over for more questions and answers
4. On the centimetre grid, draw a rectangle with an area of $32 \mathrm{~cm}^{2}$

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5. On the centimetre grid, draw a rectangle with an area of $24 \mathrm{~cm}^{2}$

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Extension draw other possible rectangles for questions 4 and 5

## Answers

1) rectangle 3 cm by 2 cm
2) rectangle 3 cm by 14 cm
3) rectangle 2 cm by 4 cm
4) rectangle 2 cm by 16 cm or 4 cm by 8 cm
5) rectangle 2 cm by 12 cm or 3 cm by 8 cm or 4 cm by 6 cm
