- 1. **D** I don't agree with Marlon.
  - **A** The perimeter of the shape is not 80cm.
  - **B** He has miscalculated when scaling up. Using the grid, the perimeter of the shape is 22cm. With a ratio of 1:4cm this means that the actual perimeter is 88cm, not 80cm.
- 2. **D** There is more than one possibility.
  - **A** There are four possible regular shapes with a perimeter of 24cm.
  - **B** Regular shapes mean that every side length is equal so it could be a 24 sided shape with 1cm sides, a dodecagon with 2cm sides, an octagon with 3cm sides or a hexagon with 4cm sides.
- Each side length of the larger square is 5cm. Therefore the smaller squares which fit inside must have a side length of 2.5cm. Using this information children should calculate the perimeter: 5 + 2.5 + 2
- 4. The smaller rectangles have a width of 24cm and a length of 48cm so have a perimeter of 144cm.