1) a) 10 cm
b) 6 cm
c) 16 cm

2) a)

## 4 cm


b) Example answers:


1) Meera is incorrect as shape $A$ has a perimeter of 24 cm and shape $B$ has a perimeter of 19 cm .
2) David is correct. The compound shape has a perimeter of 24 cm , which is the same as the rectangle he has described.
3) There are 15 different possible rectangles, with the following measurements: 1 cm by $29 \mathrm{~cm}, 2 \mathrm{~cm}$ by 28 cm , 3 cm by $27 \mathrm{~cm}, 4 \mathrm{~cm}$ by $26 \mathrm{~cm}, 5 \mathrm{~cm}$ by $25 \mathrm{~cm}, 6 \mathrm{~cm}$ by $24 \mathrm{~cm}, 7 \mathrm{~cm}$ by $23 \mathrm{~cm}, 8 \mathrm{~cm}$ by $22 \mathrm{~cm}, 9 \mathrm{~cm}$ by 21 cm , 10 cm by 20 cm , 11 cm by $19 \mathrm{~cm}, 12 \mathrm{~cm}$ by $18 \mathrm{~cm}, 13 \mathrm{~cm}$ by $17 \mathrm{~cm}, 14 \mathrm{~cm}$ by 16 cm and 15 cm by 15 cm .
4) The field has a perimeter of 37 cm which scales up to 370 m .

| Wooden Fencing | Electric Fencing |
| :---: | :---: |
| 250 m | 120 m |
| 245 m | 125 m |
| 240 m | 130 m |
| 235 m | 135 m |
| 230 m | 140 m |
| 225 m | 145 m |
| 220 m | 150 m |

