## Melissa's Room



I'm going to move into this cool attic bedroom, and I'm allowed to put the furniture in my room

## Activity

Melissa measures her furniture:

| Item | Length (metres) | Width (metres) | Height (metres) |
| :--- | :---: | :---: | :---: |
| Bed | 1.9 | 0.95 | 0.5 |
| Desk | 1.0 | 0.5 | 0.75 |
| Bedside table | 0.5 | 0.4 | 0.5 |
| Wardrobe | 1.25 | 0.5 | 2.0 |
| Bookshelf | 1.25 | 0.3 | 0.5 |



1. Calculate the volume of each piece of furniture. Which piece has the greatest volume?
2. From the measurements Melissa has made, use cardboard to make a 3-dimensional (3-D) scale model of her furniture. The scale is 1 centimetre : 25 centimetres.
3. Melissa measures the floor area of the attic. It is a square and measures 9 square metres. How long is each side of Melissa's room?

