


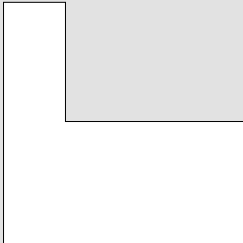
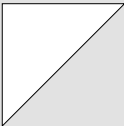
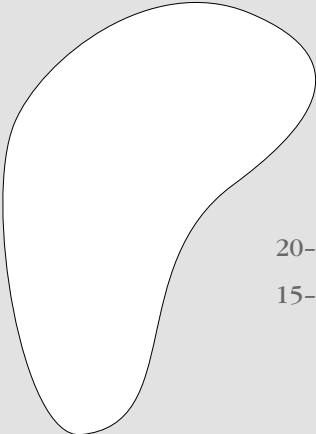


## Floor Tiles

Approach: Station

Level: Year 4 and year 8

Resources: Square tile, ruler, pencil.

Questions/instructions		% responses		
		year 4	year 8	
The tile is one unit of area. 				
How many tiles would be needed to cover the area of each of the rooms?				
1. Bedroom		6 tiles	27	69
2. Bathroom		5 tiles	8	42
3. Kitchen		10 tiles	21	61
4. Porch		2 tiles	9	45
		3 tiles	17	12
<b>YEAR 4</b>	<b>YEAR 8</b>			
5. Guess the number of tiles needed to cover the shape.	5. Look at the tile to make a rough estimate of the number of tiles needed to cover the shape.			
		20-30	37	45
		15-19	10	18

## Commentary

Year 8 students were substantially better than year 4 students when calculating areas, but not when estimating.