

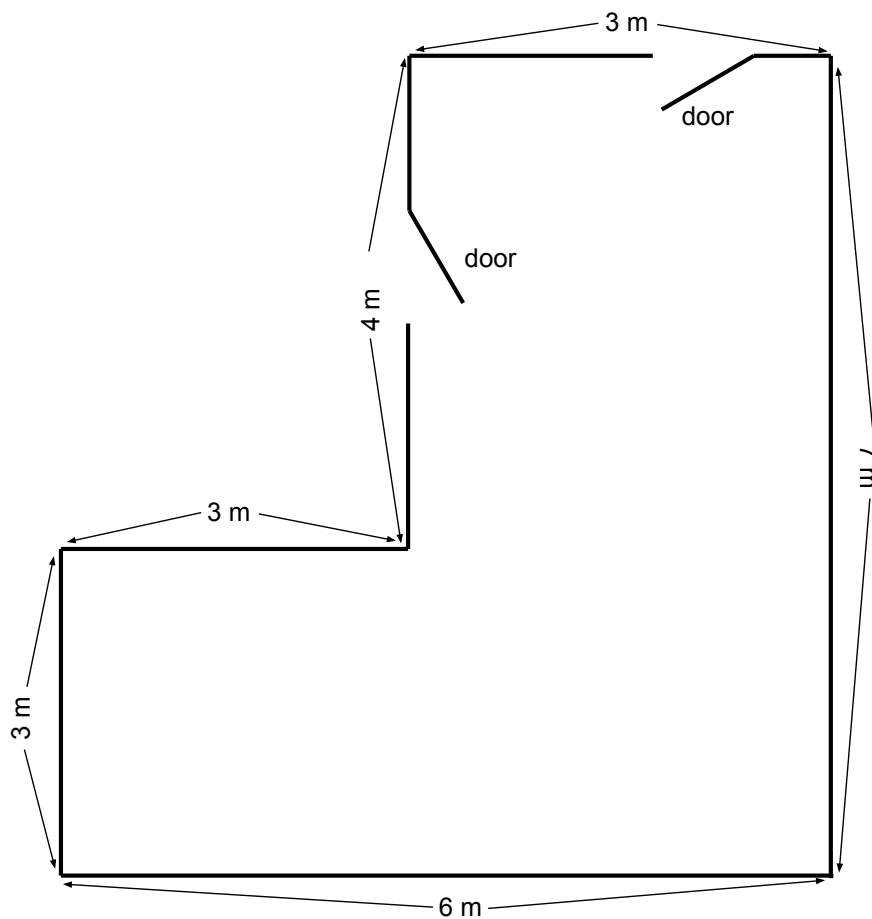


## Problem of the Week

### Problem A

### Painting Planning

Jack and Farah want to paint some of the walls in their house. They need to calculate the area that will be painted. They have a floor plan of the part of the house they want to paint. It shows which walls have doorways, as well as the dimensions of the rooms. The walls are all 3 metres high and the doorways are all 2 metres high and 1 metre wide. They do not need to paint the doorways.



- Draw a diagram for each of the walls in the area that needs to be painted. Show the dimensions of the walls and the doorways on each diagram.
- Calculate the total area that needs to be painted.

**STRANDS** MEASUREMENT, GEOMETRY AND SPATIAL SENSE

