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.

A) 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.

B) Calculate the total area that needs to be painted.

**Strands**  Measurement, Geometry and Spatial Sense