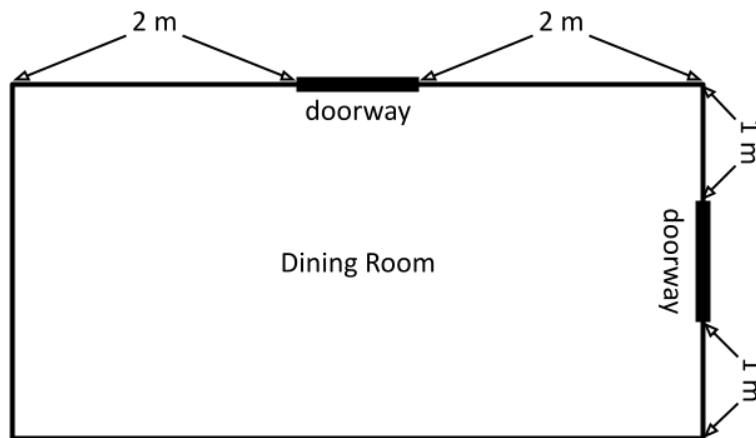# Problem of the Week
Problem A
Painting Plans

Judith and James want to repaint their dining room. They have a floor plan of the dining room that shows the dimensions of the rectangular room as well as the location of the doorways.

The walls are each 3 metres high and the doorways are each 2 metres high and 1 metre wide. They do not want to paint the doorways.

(a) For each wall, draw a diagram showing 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 will be painted.

THEME   GEOMETRY & MEASUREMENT