

**Workcard**

Number

m54w2

**Level:** 5**Strand:** Measurement**Substrand:** Indirect Measure**Housing around**

A house has rooms of the following dimensions. Calculate the area of each room.

ROOM	Dimensions	Area
Bedroom 1	5m x 4m	
Ensuite	2.5 x 2	
Bedroom 2	3 x 4	
Bedroom 3	3 x 4	
Bedroom 4	3 x 4	
Family Room	6 x 4	
Lounge	5 x 4.5	
Kitchen	3.5 x 4	
Dining Room	3 x 3	
Bath	3 x 2	

You will also need a laundry, how big will this room be?

Draw these rooms of a piece of 5mm graph use the scale 1:100

1:100 means 1cm = 1m

(Don't forget the Laundry)

After you draw these rooms label them and cut them out.

Arrange the rooms on graph paper to create a house design. Trace the location of the rooms. Remember to leave rooms for hallways.

You should now have a floor plan for a house. Give your house plan a fancy name.

What are the features of your house? Why are the rooms located where they are?

Write 4 sentences to describe the "selling Points" of your house.

What is the approximate floor space of the house? (Area) include hallways.

Design another house using the same rooms. Give it different features to your last house? What is its area?

**Reflection**

How do your two house areas compare?

If you designed your own house what would you change?