

Station 2

In this station you design a house for the Affluent family.

Resources:

- Squared paper (1 cm)
- Scissors
- 30 cm rulers

**Problem 1**

Mr and Mrs Affluent want you to design their new house. They give you the following sizes for the rooms of the house.

Living Room: 48 square metres

Bathroom: 8 square metres

Dining Room: 12 square metres

Laundry: 6 square metres

Kitchen : 12 square metres

Toilet: 2 square metres

Bedroom One: 24 square metres

Bedroom Two: 16 square metres

Bedroom Three: 20 square metres

Bedroom Four: 12 square metres

Conservatory/Entrance: 12 square metres

Problem 2:

Use squared paper, with a scale of 1 cm = 1m to design the house. You may find it easier to cut each room out of paper first so it can be moved around. Remember to keep passage ways down to a minimum.

Problem 3:

When your house plan is complete draw it showing the side lengths and areas of each room. Record the wall lengths of the house and its total area.