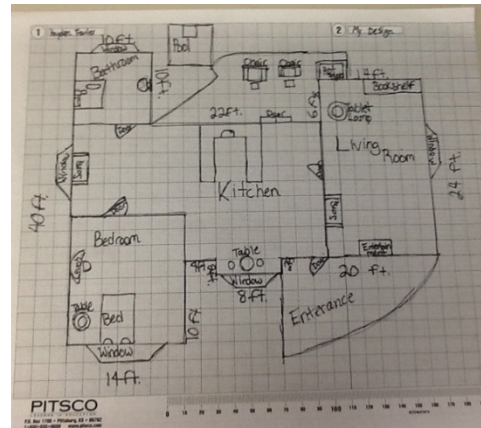


Dream Home

Your job over the next few weeks is to design your dream home floor plan.

Your home must include the following:

- Living Area
- Dining Room
- Kitchen
- 3 bedrooms
- Bathroom/Toilet
- Laundry



You may include up to 2 more rooms if you would like. It is up to you what these rooms are.

You are going to calculate the perimeter and area of each room you create and record these so you can calculate the cost of carpeting/tiling and painting/wallpapering the rooms.

The maximum size of your house can be no more than 400m^2 . It does not have to be square but this is the easier option.

IMPORTANT

- Remember that the scale is 1 square = 1m^2 .
- Windows are a standard size of either 2m (width) x 2m (height) or 3m (width) x 2m (height).
- Doors are 1m (width) x 2m (height).
- Standard wall height is 3m

Remember when you are working out the cost of paint and wallpaper. You will need to work out the area of each wall in the room and take away the area of doors and windows. Remember there will be 4 walls in most rooms.

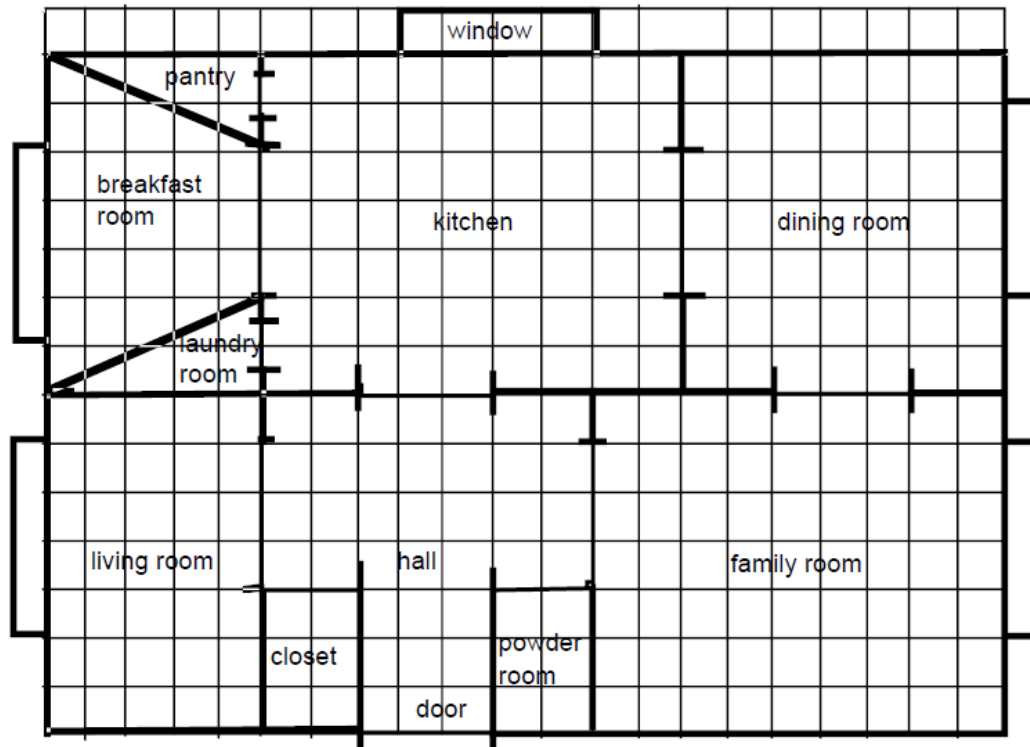
You may choose to have tiling and carpeting in a room. This is up to you.

If you finish your calculations you can add the outside section of your home.

You will need to show all calculations clearly when you are working out area and costings.

Remember to include labels for each of your rooms.

Practice Calculations



- Remember that the scale is 1 square = 1m².
- Windows are a standard size of either 2m (width) x 2m (height) or 3m (width) x 2m (height).
- Doors are 1m (width) x 2m (height).
- Standard wall height is 3m

TILES

Tiles cost \$50 per square metre (m²)
 Work out the cost of tiling a room in this house
Room size:

Cost of tiling:

CARPET

Carpet costs \$60 per square metre (m²)
 Work out the cost of carpeting a room in this house
Room size:

Cost of carpeting:

WALLPAPER

Wallpaper costs \$70. 1 roll of wallpaper covers 9m²
 Work out the cost of wallpapering a room in this house
Room size:

Wall 1:

Wall 2:

Wall 3:

Wall 4:

Cost of wallpapering:

PAINT

Paint costs \$40. 1 tin of paint (4l) covers 15m²
 Work out the cost of painting a room in this house
Room size:

Wall 1:

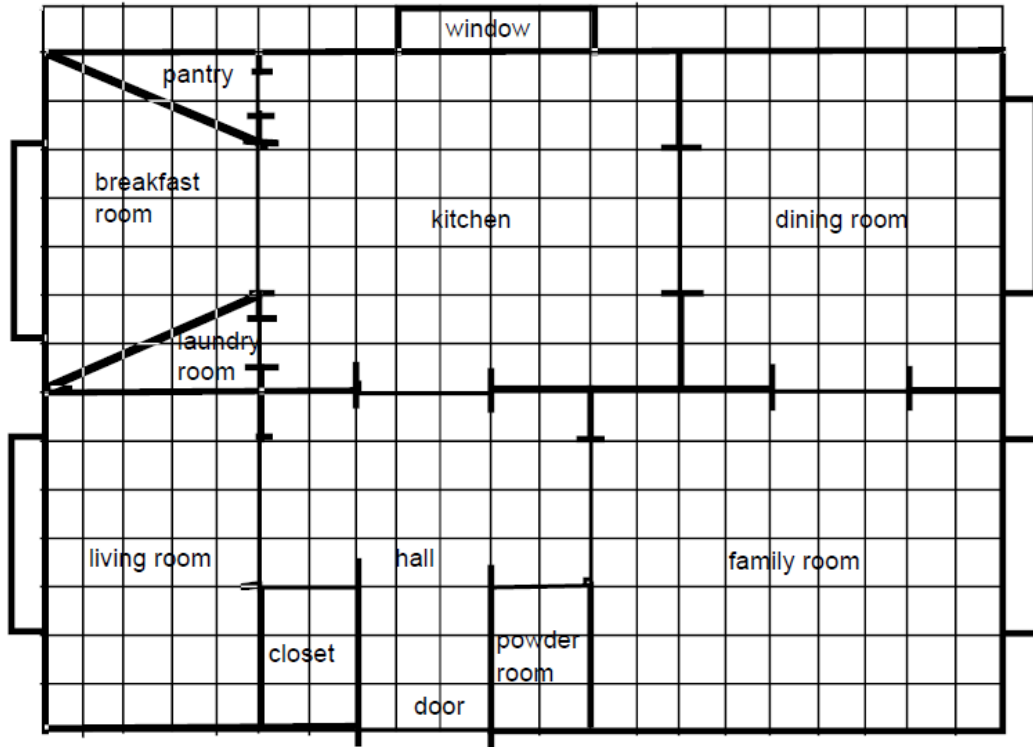
Wall 2:

Wall 3:

Wall 4:

Cost of painting:

Practice Calculations



- Remember that the scale is 1 square = 1m².

You need to work out the area of each room in the house. SHOW YOUR WORKING.

Square = length x width

Rectangle = length x width

Triangle = height x base ÷ 2

Parallelogram = base x height

Trapezoid = (top + bottom ÷ 2) x height

LIVING ROOM

DINING ROOM

BREAKFAST ROOM

PANTRY

FAMILY ROOM

KITCHEN

LAUNDRY ROOM

HALL

Dream Home Calculations

AREA OF EACH ROOM IN MY DREAM HOME

PERIMETER OF EACH ROOM IN MY DREAM HOME

Dream Home Castings

Work out the cost to tile/carpet, wallpaper/paint 6 different rooms in your house. Use the area of the floor or walls to help you.

Harder

TILES – Room _____

Tiles cost \$50 per square metre (m^2)
Work out the cost of tiling a room in this house
Room size:

Cost of tiling:

CARPET – Room _____

Carpet costs \$60 per square metre (m^2)
Work out the cost of carpeting a room in this house
Room size:

Cost of carpeting:

WALLPAPER – Room _____

Wallpaper costs \$70. 1 roll of wallpaper covers $9m^2$
Work out the cost of wallpapering a room in this house
Room size:

Wall 1:

Wall 2:

Wall 3:

Wall 4:

Cost of wallpapering:

PAINT – Room _____

Paint costs \$40. 1 tin of paint (4l) covers $15m^2$
Work out the cost of painting a room in this house
Room size:

Wall 1:

Wall 2:

Wall 3:

Wall 4:

Cost of painting:

WALLPAPER – Room _____

Wallpaper costs \$70. 1 roll of wallpaper covers $9m^2$
Work out the cost of wallpapering a room in this house
Room size:

Wall 1:

Wall 2:

Wall 3:

Wall 4:

Cost of wallpapering:

PAINT – Room _____

Paint costs \$40. 1 tin of paint (4l) covers $15m^2$
Work out the cost of painting a room in this house
Room size:

Wall 1:

Wall 2:

Wall 3:

Wall 4:

Cost of painting:

Dream Home Castings

Work out the cost to tile/carpet, wallpaper/paint 6 different rooms in your house. Use the area of the floor or walls to help you.

Easier

TILES – Room _____

Tiles cost \$50 per square metre (m^2)

Work out the cost of tiling a room in this house

Room size:

Cost of tiling:

CARPET – Room _____

Carpet costs \$60 per square metre (m^2)

Work out the cost of carpeting a room in this house

Room size:

Cost of carpeting:

TILES – Room _____

Tiles cost \$50 per square metre (m^2)

Work out the cost of tiling a room in this house

Room size:

Cost of tiling:

CARPET – Room _____

Carpet costs \$60 per square metre (m^2)

Work out the cost of carpeting a room in this house

Room size:

Cost of carpeting:

CARPET – Room _____

Carpet costs \$60 per square metre (m^2)

Work out the cost of carpeting a room in this house

Room size:

Cost of carpeting:

CARPET – Room _____

Carpet costs \$60 per square metre (m^2)

Work out the cost of carpeting a room in this house

Room size:

Cost of carpeting:

Examples



NEW HAWAIIAN HOME
LANDSCAPE CONCEPT PLAN
 0 2 4 6 8 FEET
 APRIL 2010



Type C - 4 Bed Garden Villa

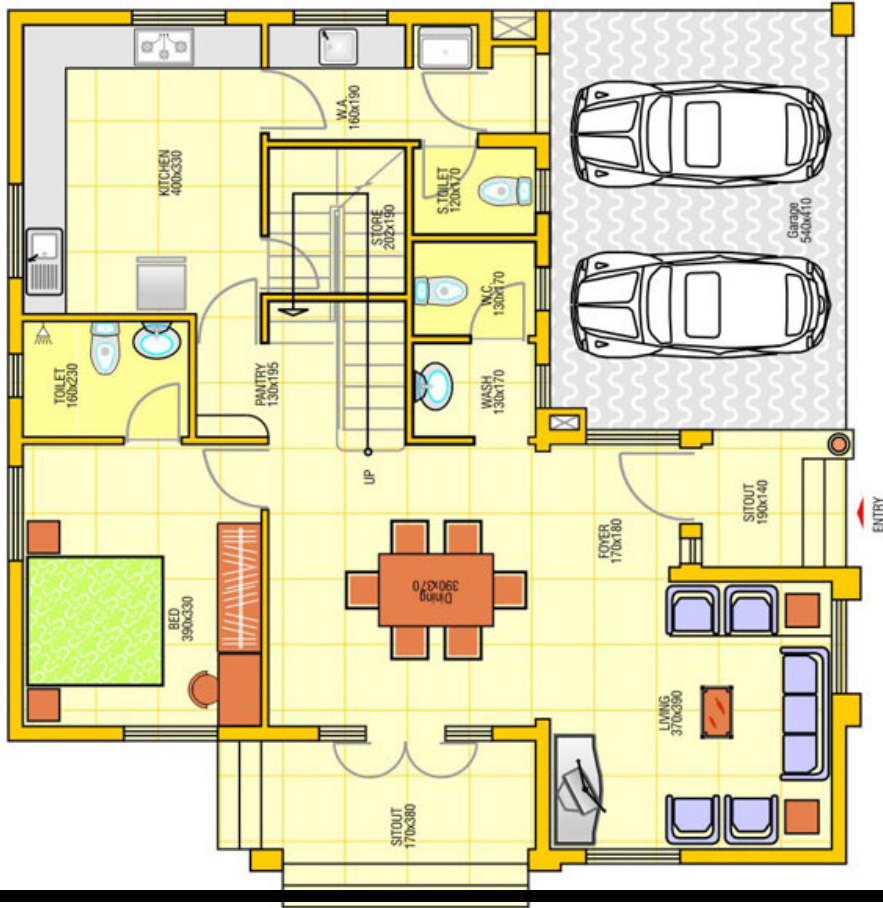
Total Area: 2567 Sq.ft.

(Carpet Area: 1999 Sq.ft., Terrace Area: 255 Sq.ft.)

Examples



FIRST FLOOR PLAN



GROUND FLOOR PLAN