Thursday: WALT draw a floorplan.

Architects always need to draw plans of the buildings they are designing. Therefore, the architects who designed the prefabs would have done the same – but they would have used imperial measures! Your task today is to draw a plan which is accurate but using metric measures instead.

You need to remember that the prefab is 22 feet wide. Therefore, all of your 11' measurements are part of the width of the overall prefab. (This was because of the size of the prefabricated pieces that the prefab was made up from).

Draw a floorplan of your prefab using this formula:

Size in feet: 11'

11 x 30 = 330cm. (Obviously, your floorplan would be huge if you used this measure, so divide it by 100 instead.)

330 ÷ 100 = 3.3 cm (This is now ridiculously small! Therefore, double your answer!)

3.3 x 2 = 6.6cm This is the measurement you will use for your plan.

So:

Number of feet x 30

Add number of inches x 2.5

Add the two answers together.

Divide by 100

Multiply by 2.

Draw it on your plan.

e.g.

12' 3”

12 x 30 = 360

3 x 2.5 = 7.5

360 + 7.5 = 367.5

367.5 ÷ 100 = 3.675

3.675 x 2 = 7.35

Draw the room side as 7.35cm on your plan.