[](http://www.google.ca/imgres?safe=active&rls=com.microsoft:en-us:IE-SearchBox&biw=1024&bih=542&tbm=isch&tbnid=8LrfUnMVRVoYpM:&imgrefurl=http://thafnine.deviantart.com/art/Minecraft-Logo-363090228&docid=H07G0rpNbFkOiM&imgurl=http://fc04.deviantart.net/fs71/i/2013/092/d/f/minecraft_logo_by_thafnine-d606a7o.png&w=1024&h=170&ei=BHrqUrTpB6LY2gWulYGICA&zoom=1&iact=rc&dur=500&page=2&start=6&ndsp=11&ved=0CGkQrQMwBw)

**Goal: Build a village in Minecraft.**

For this assignment each block will be equal have 1 m by 1m dimensions.

 Each section in fence will have a measurement of 1 m.

**Your village must include the following:**

* Minimum of 6 buildings, you can choose the type of building (house, store, etc.) The buildings must be in three groups of two. Each pair of buildings must have the same surface area but must be different dimensions.
* Two water towers – filled with water. The towers must hold the same volume of water but must have different dimensions.
* A fence that surrounds your village.

**Signs**

* Every building and water tower must have a sign that states the dimensions, surface area or volume of the building/tower.
* The fence must also have a sign indicating the measurement of the perimeter of your village.

**Extras**

For those of you who finish early and want a challenge here are other ideas for your village:

* Build a road that runs around the perimeter of the village and passes each home and water tower. Calculate the length of the road.
* In each of your homes build an area rug that covers the floor of a room. Label the area of the rug.
* A garden can be added at the back of each house but its area must be double the area of the rug which is inside the house. Label the area of the garden.
* Surprise me!