

**Mapping**

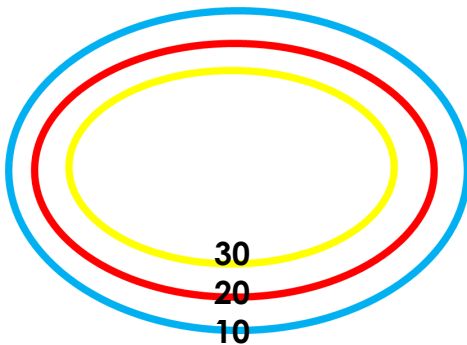
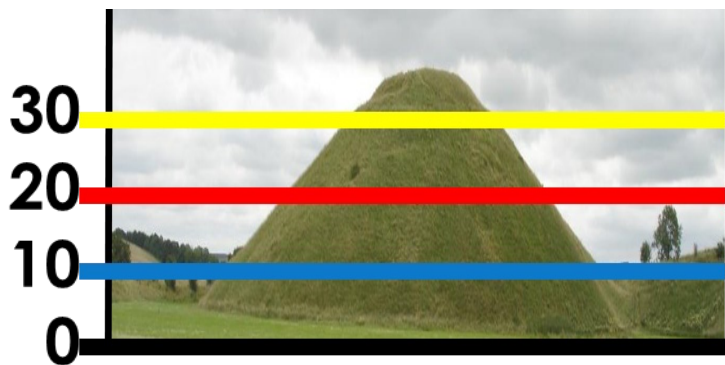
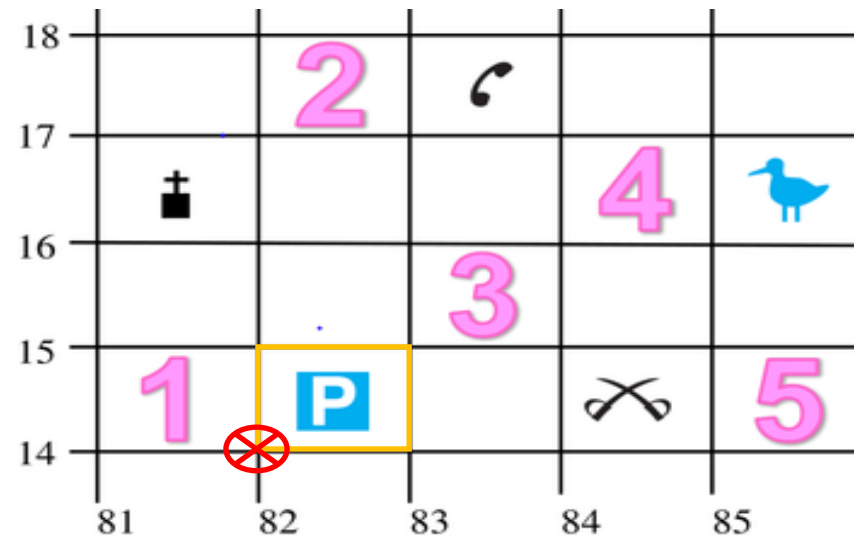
- ◇ A 2D representation of an area of land.
- ◇ Symbols are used instead of words to locate human and physical characteristics.
- ◇ Symbols can be simple abbreviations, small diagrams, lines or different coloured lines.

**4-figure Grid Referencing**

Use the Easting first and then the Northing. This is also known as 'along the corridor and up the stairs'. The point at which you find yourself is the bottom left corner of the grid you have located. An example of this can be seen in the diagram adjacent. The 'P' sign for parking is situated in the grid 8214.

**6-figure Grid Referencing**

This breaks down each of the squares into a further ten sections to give a more precise location. Follow the same routine as explained above to locate the feature however, due to the square being split into a further ten sections, you must include an extra number for both the easting and northing reading. On the diagram below, the church is located at grid reference 815163.



So, on a map, contour lines for the hill would look like this!

**Vocabulary:**

Compass	Instrument containing a magnetized pointer to show direction
Human Features	Features of land that have been impacted by human activity
Physical Features	Branch of geography concerned with natural features of the Earth's surface
Cartographer	A person who produces maps
Contour Lines	a line on a map that connects points of a land surface of equal height.
Cross-section	A surface or shape exposed by making a straight cut through something
Easting	Horizontal, easterly axis on a grid reference
Grid Reference	A map reference indicating a location in terms of a series of vertical and horizontal lines
Key	A legend with a map containing the information needed to understand the symbols
Northing	Vertical, northerly axis on a grid reference
Ordnance Survey	National geospatial experts who produce accurate locational data
Scale	The ratio of a distance on a map to the distance on the Earth
Symbol	Something that represents something else
Terrain	A stretch of land with regard to its physical features

**Mapping**

**Contour Lines**

They are lines that show high and low areas of land. The contour line joins up areas of the same height so when they are close together, this means that it is a steep hill or cliff as seen in the diagram above.

**Scale**

Map scale is the relationship between distance on a map and distance in real life. There is usually a diagram that illustrates this in the maps key.