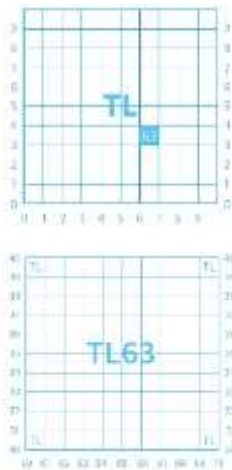
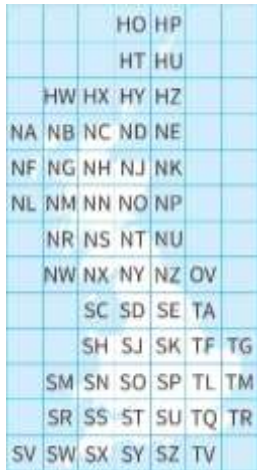


Four-figure grid references

A 'grid reference' helps us to locate features on a map. In Great Britain, the Ordnance Survey have divided the country up into 59 lettered squares, each 100km x 100km.

Each of these lettered squares is further divided into 100 squares of 10km x 10km. These squares are then divided again into (you guessed it!) 100 squares of 1km x 1km.

Sheffield lies within lettered square SK.

In order to give a grid reference to locate an object, we need the two letters and then a minimum of four digits. This will locate the object inside a 1km x 1km square (accurate enough for our purposes today, with a good enough map...)

The numbers that run left to right at the top and bottom of the map are called '*Eastings*'. The numbers that run from bottom to top at the sides of the map are called '*Northings*'. Similar to reading a graph or a coordinate grid, we give the Easting first (along the corridor) and then the Northing (up the stairs).

The four-digit grid reference describes which square a feature is in, e.g. Sheffield Cathedral is in square SK3587 (35 is the easting and 87 is the northing). The square is 1km x 1km. Look at the map, and you can see the Eastings, Northings and the square clearly identified.

The map includes some of these symbols, which you might find useful;



So, have a look over the page for the Learning Objective and Remember Tos, and the tasks.

You need to use a mix of your local knowledge (or that of your family and friends), the keys above and the teaching to firstly locate the feature on the map and then work out which square it is in using the SK4-digit grid reference.

As a challenge, see if you can find your house on the map!

L.O. To use four-figure grid references.	What I think	What my teacher thinks
Remember to/that:		
<i>Eastings</i> are the numbers that run left to right at the top and bottom of the map.	☐	☐
Eastings form the first half of a grid reference.	☐	☐
<i>Northings</i> are the numbers that run from bottom to top at the sides of the map.	☐	☐
Northings form the second half of a grid reference.	☐	☐

Feature name (map label)	Four-figure square location (SK4-digit)
Sheffield Cathedral	
Rivelin Valley Park	
Weston Park Museum	
Walkley Primary School	
Clough Field	
Crookes Cemetery	
University of Sheffield (Octagon/Firth Court)	
Park Hill Flats	
Sheffield Railway Station	
Tesco, Infirmary Road	
Kelham Island	
Your house	
Add some features of your own;	
What other features can you see in square SK3587?	

What do you think might be a drawback of giving a 4-digit grid reference?