

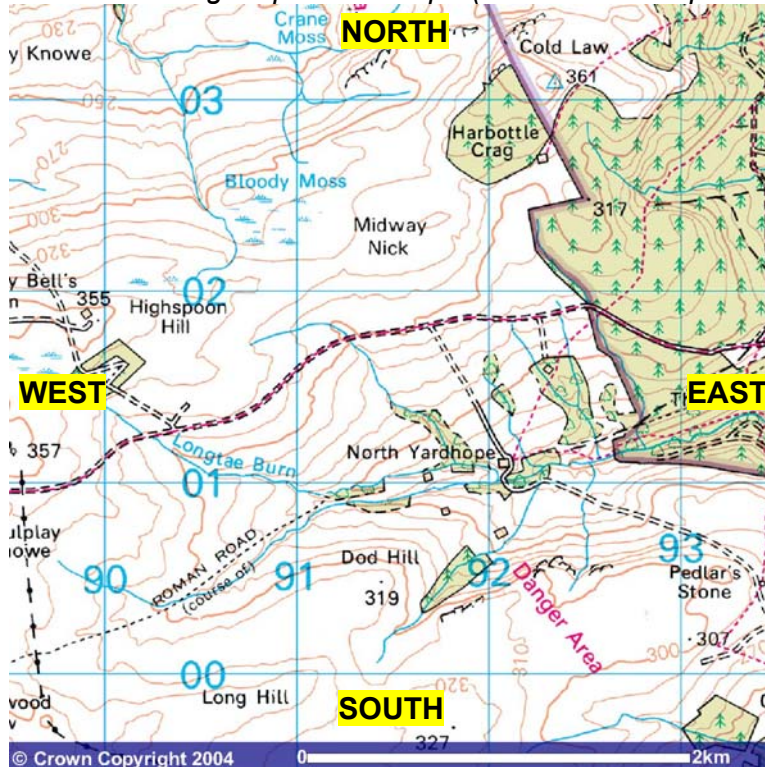
## Map Reading – Grid References

### 1. Eastings and Northings:

**REMEMBER:** Look at the numbers on the grid lines. The lines that increase in number as you go east are EASTINGS. The lines that increase in number as you go north are NORTHINGS. Always quote the EASTING before the NORTHING when giving a grid reference.

### 2. Four Figure Grid References:

Look at the following map of Yardhope (National Grid square NT):



To give a 4-figure grid reference:

- find the object of interest
- quote the EASTING just before it
- quote the NORTHING just before it

For example:

- The words 'Danger Area' are in the grid square NT 92 00
- 'Midway Nick' is in the grid square NT 91 02
- 'Cold Law' is in the grid square NT 92 03

If you forget which order to give the numbers in, try the following trick:  
Pick the object of interest on the map and imagine drawing the letter 'L' in the bottom corner of that square. When drawing the letter 'L' you do the vertical stroke first (the EASTING) then the horizontal stroke (the NORTHING).

### 3. Six Figure Grid References:

Four figure grid references are fine for identifying which grid square something is in – but a grid square is a big place (1 km by 1 km on the ground). You really need a more accurate method.

REMEMBER: When giving a grid reference you say how far EAST the point is (by looking at the EASTING line) before you say how far NORTH the point is (by looking at the NORTHING line).

REMEMBER: The EASTINGS are the lines whose numbers increase as you go to the right (EAST) on the map. The NORTHINGS are the lines whose numbers increase as you go up (NORTH) on the map.

Giving a 6-figure grid reference is very similar to giving a 4-figure grid reference:

- Find the point of interest on the map and then give the four figure grid reference as taught before.

For example: On the map I want to give a grid reference of the spot height (.319) at Dod Hill (bottom centre of map).

4-figure grid reference = NT 91 00

Remember '91' means how far EAST and '00' means how far NORTH.

- Now, just looking at that square we need to estimate how far across (EAST) the spot height is. It is slightly less than halfway, so it is 4/10 across (4/10 EAST) in the square.
- Now, just looking at that square we need to estimate how far up (NORTH) the spot height is. It is slightly less than halfway, so it is 4/10 up (4/10 NORTH) in the square.

The Dod Hill spot height grid reference is therefore: *NT 914 004*

#### Example 1:

The grid reference of the building at Harbottle Crag.

4-figure grid reference = NT 92 02

The building is about 3/10 across (EAST) in that square and about 7/10 up (NORTH) in that square.

6-figure grid reference = NT 923 027

#### Example 2:

The grid reference of the track junction below Highspoon Hill.

4-figure grid reference = NT 90 01

The junction is about 4/10 across (EAST) in that square and about 3/10 up (NORTH) in that square.

6-figure grid reference = NT 904 013

