Digimap for Schools

AT HOME...

Login

1. Login to Digimap for Schools.

   - https://digimapforschools.edina.ac.uk/
   - Select Login
   - Type the username and password – talk to your teacher if you don't know these.
   - Select Login.

2. You should see a map of Great Britain like this picture:
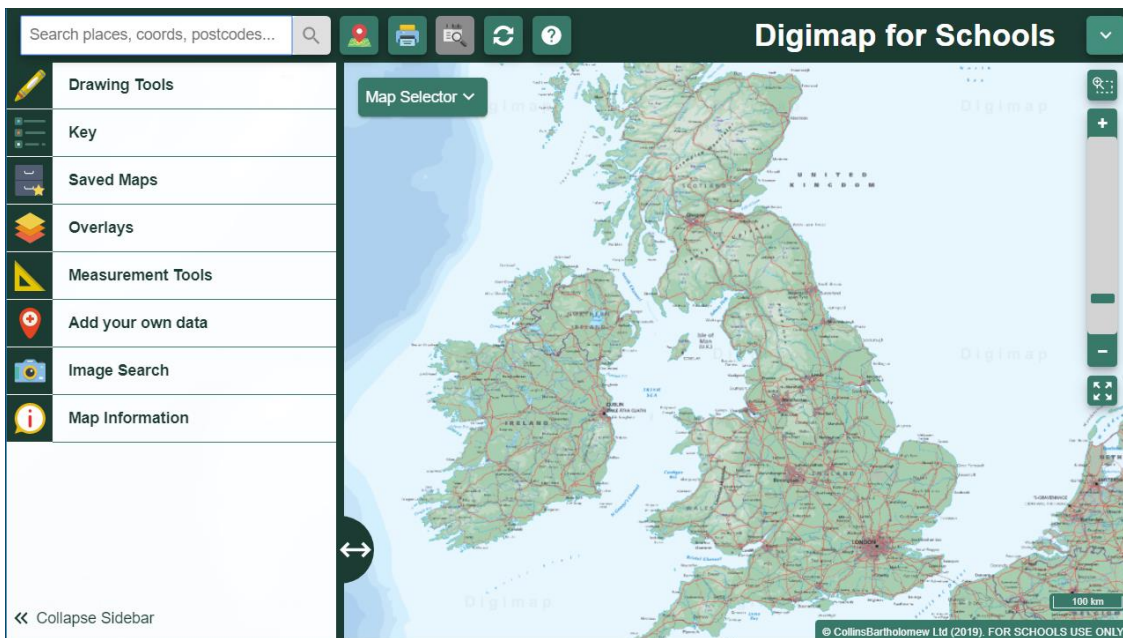
Find a grid reference

1. Let's try and get a reference for Hadrian's Wall.

2. Type Hadrians Wall in the search box.

3. Select Hadrians Wall (Northumberland) from your results.

4. Your map should look like the picture below.
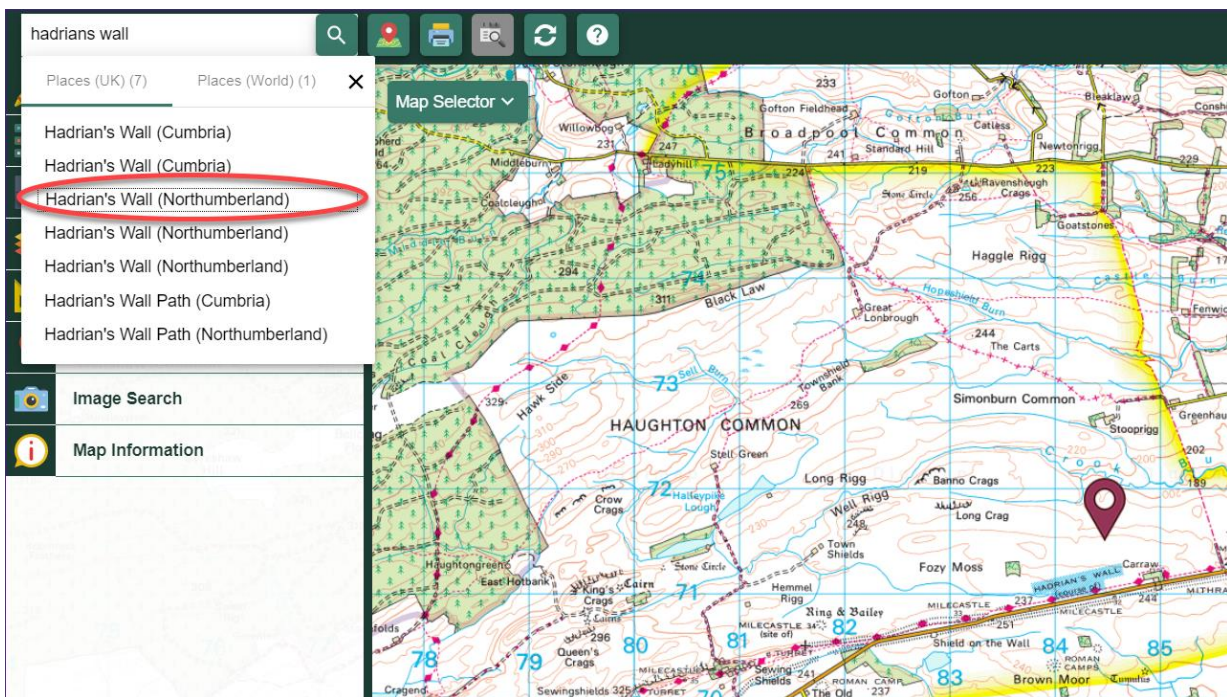
5. Now select Overlays on the left, then British National Grid. Now we can see the British National Grid lines on our map.

6. We want a grid reference for the grid square shown in red on the map below.

7. We always give a reference for the bottom left or south west corner, as shown by the arrow in the picture below.
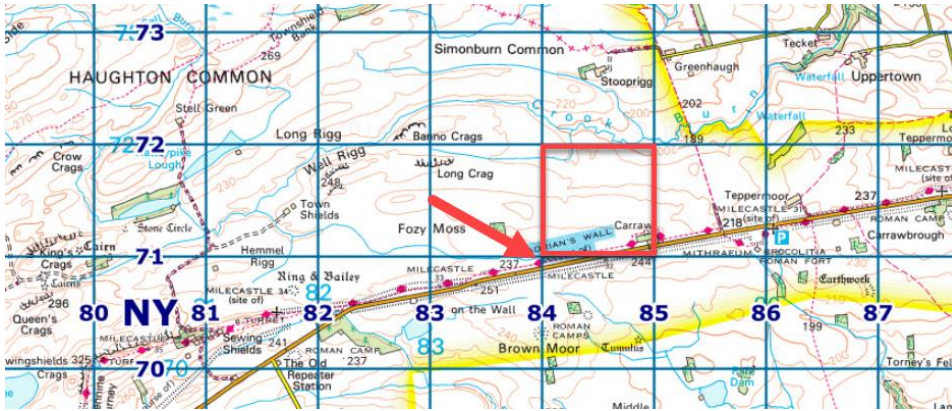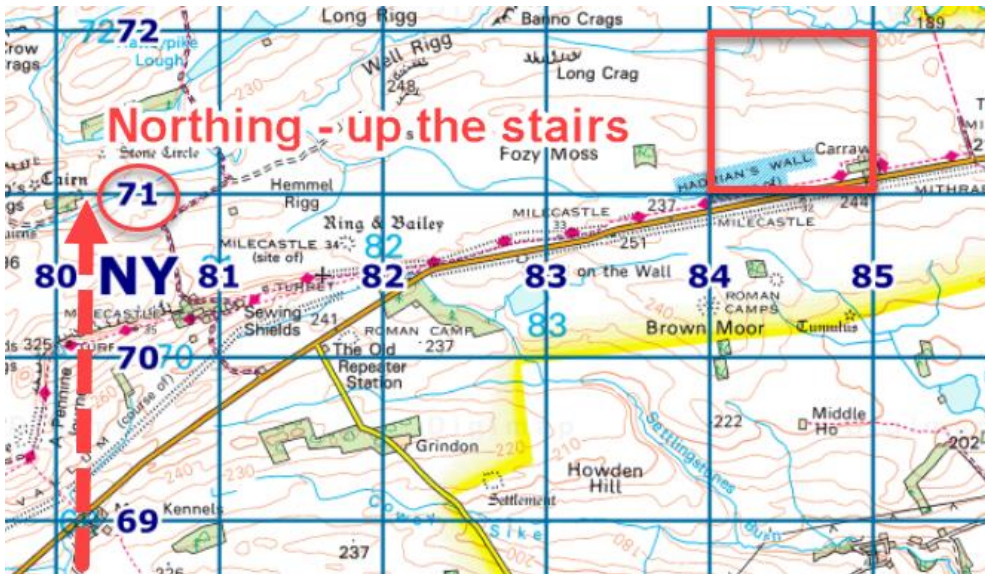
8. First we need to find our Easting line number. Eastings are vertical lines that go from west to east. We go "along the corridor" to find the number.

9. It's number 84.
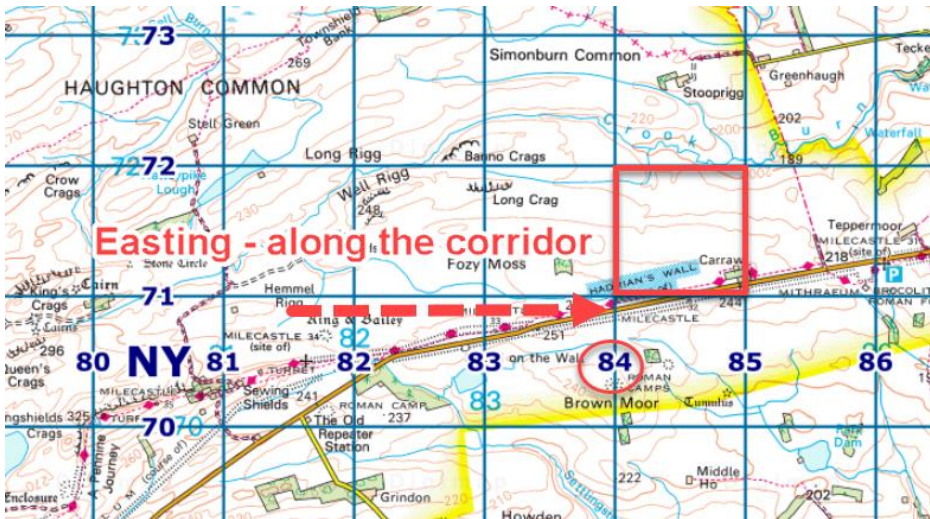
11. Now find the Northing line number. Northings are horizontal lines that go from south to north. We go "up the stairs" to find the number.

12. It's number 71.

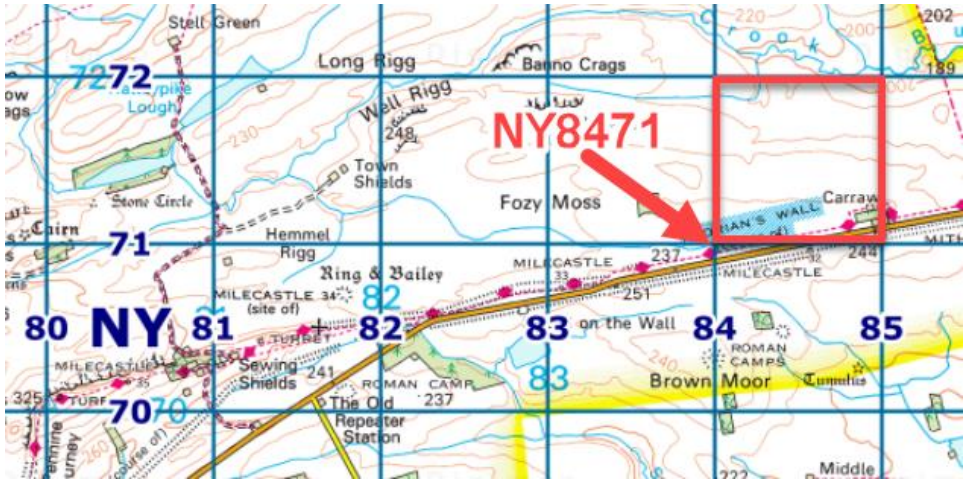
13. Now we need to add in the Grid Square name…it's shown on the map, NY.

14. So we put it all together:

    a. Grid square NY,

    b. Plus Easting line 84,

    c. Plus Northing line 71 =

    d. NY 84 71

15. This is a 4 figure grid reference. It identifies the grid square, which is 1km on each side.

Check your reference

You can check in two ways.

1. Search with your grid reference.

   a. Input NY8471 in the search box.

   b. Select NY8471 from the results list.

   c. You should be at our grid square in the map window. You may be zoomed in further and looking at a more detailed map…zoom out 2 or 3 times to check you're at the right spot.
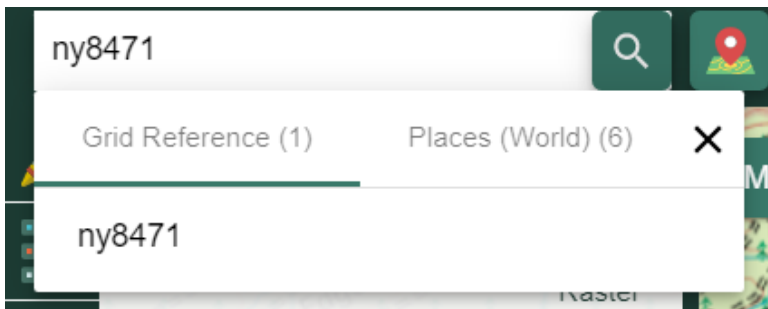
2. Add a grid reference marker.

   a. Select Drawing Tools on the left.

   b. Select the Place a Grid Reference tool. It's under the Draw and Create area.

Drawing Tools

Show drawings   Show hints

Draw and create

Marker   Shape   Line   Text   Measure   Text Box   Image

Gridref   Buffer

UK Grid reference options

○ Automatic
○ 2 Digit, e.g. "NY 78"
○ 4 Digit, e.g. "NY 77 88"
○ 6 Digit, e.g. "NY 770 819"
○ 10 Digit, e.g. "NY 77071 88819"

Non-UK will place latitude and longitude markers

Select Marker

Balloon   Cross   Diamond   Square   Star   Triangle   X

Tree   Circle   Stickman   Grin   Smile   Neutral   Sad

Very sad

Text settings

Bold   24pt

Arial

Line settings

—solid   —2pt

Fill settings

3. Select our grid square and a grid reference will be placed there.

4. My grid reference marker says NY84019 71201. This is a 10 figure grid reference and is much more detailed than our grid reference (NY 84 71). That doesn't mean our reference is wrong! It is just less accurate.

5. To check our reference is right we can just look at the first two numbers in the Easting and Northing.

6. The Easting is 84019. The first two numbers are 84, the same as we identified. The Easting is 71021. The first two numbers are 71, the same as we identified.

Practise!

1. Try and find 4 figure grid references for each of the spots detailed below.

2. Then add a grid reference marker to get the 10 figure grid reference.

Place	Clue	Grid Ref 4 figure	Grid Ref 10 figure
Hadrian's Wall		NY 84 71	NY84019 71201
Stonehenge	none		
Tower of London	Postcode EC3N 4AB		
Roman Baths	Bath, North and East Somerset, postcode BA1 1LZ		
York Minster	York YO1 7HH		
Welsh Assembly	Cardiff Bay CF10 4WZ		
Canterbury Cathedral	Canterbury (Kent), postcode CT1 2EE		
Warwick Castle	Warwick, postcode CV34 4QX		
Edinburgh Castle	Old Town, postcode EH1 2NG		
Chester Zoo	Look north to Upton, CH2 1EU		
Eden Project	North East from St Austell		

Answers!

Here are the answers.

*Remember your 10 figure grid reference will probably be different, as these are very detailed. You will probably not select exactly the same spot as me on the map.

Place	Grid Ref 4 figure	Grid Ref 10 figure
Stonehenge	SU 12 42	SU 12222 42205
Tower of London	TQ 33 80	TQ33610 80563
Roman Baths	ST 75 64	ST 75075 64638
York Minster	SE 60 52	SE 60330 52180
Welsh Assembly	ST 19 74	ST 19417 74417
Canterbury Cathedral	TR 15 57	TR15100 57927
Warwick Castle	SP 28 64	SP 28335 64631
Edinburgh Castle	NT25 73	NT25144 73541
Chester Zoo	SJ 41 69	SJ41052 69865
Eden Project	SX 04 54	SX 04845 54771

Acknowledgements

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