



# Scouts

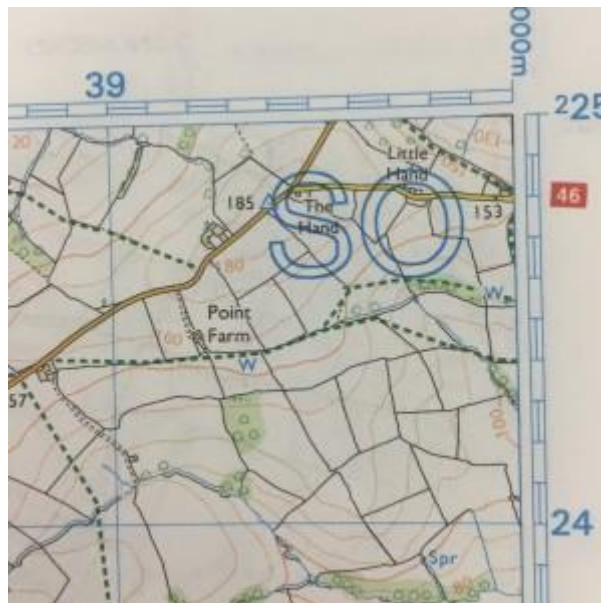
## 1st Digital

### Mission Statement

Your mission is to escape from the Wilds of the Derbyshire Peak District. From your starting point at Kinder Down Fall (Grid Reference 083 889) you have to try and make a route that gets as far away from this location as possible as the crow flies. However you only have 6 hours of walking time available. You are not allowed to deviate from paths so you will have to plan your route carefully. Kinder Scout is the top of a big mountain so you will want to make sure you use your knowledge of contours to make sure that you are walking the easiest and fastest route possible. You will need to calculate how long your walk is going to take you so that you can get as far away from the start point as possible. Below are some helpful reminders of how grid references work, how to calculate distance and how to calculate how long your walk will take.

### How Grid References Work

Throughout the map there are long blue lines with large blue numbers. Each of these large blue lines are 1 kilometre apart. These are called your grid lines. If you follow these grid lines to the end of the map you will see small, divided sections as shown in the picture below. These are each 100m apart.



When you are looking to record a grid reference of a location, we look to see what 1km x 1km box our location or checkpoint is located in. When we are writing down grid references we also make sure we read the numbers that run from left to right first, then the numbers from top to bottom. So for the example above, Point Farm is in the box 39 24. What you then need to do is imagine that that one box identified in your four figure grid reference is broken down into smaller squares – 10 x 10 squares, which are marked all around the edges of your map. So for example, Point Farm is at 392 244. This gives us the location much more accurately.

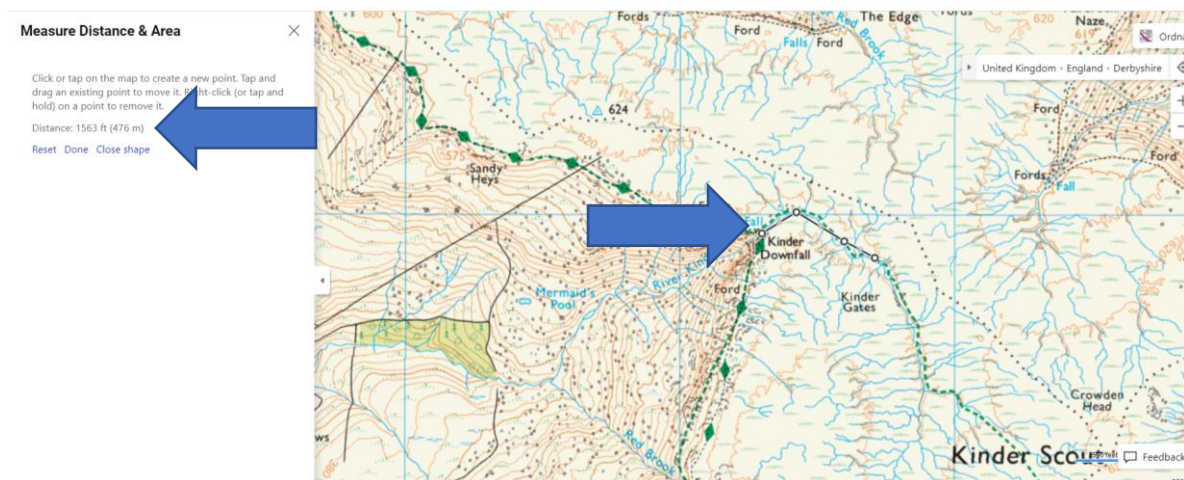
### How to Calculate Distance

Normally when we are using a paper map we would use a piece of string to run along the route and then align that to the grid lines along the side to estimate the distance travelled along the route. This is more tricky when we are running virtually so we can use a tool on Bing Maps to help measure the route.

To measure using Bing Maps, right click with your mouse on the start location of your route and click “measure distance”.



Then left click at point along your route. The most point you do, the more accurate the measurement will be. On the left hand side it tells you how far the distance is!







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### Example Checkpoint 1:

**Measure Distance & Area** ×

Click or tap on the map to create a new point. Tap and drag an existing point to move it. Right-click (or tap and hold) on a point to remove it.

Distance: 1.45 mi (2.34 km)

Reset Done Close shape

