

## Mapwork key terms

| Key term | $\quad$ Definition and explanation |
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| Map | Maps are 2-D drawings of what we see in 3-D in real life. The Ordnance <br> Survey is Great Britain's national mapping agency, providing the most up-to- <br> date and accurate geographical maps of all corners of the country. Their <br> maps have a scale, frame, grid lines and numbers, symbols and a key. |
| Scale | Scale is the ratio of the distance on a map in relation to the distance in real <br> life. There are 2 scales used on most OS maps; 1:50,000 where 1cm on the <br> map = 50,000cm or 500m on the ground, or 1:25,000 where 1cm on the <br> map = 25,000cm or 250m on the ground. |
| Distance | Any route or the distance between two points on a map can be measured <br> using a piece of string (easier as it's flexible so can bend around the corners <br> on the route!) or with edge of a piece of paper. With the latter, basically the <br> start of the route is marked on the edge of the piece of paper and another <br> mark made on the piece of paper every time a bend is encountered, until the <br> end point. You end up with a series of marks on the edge of a piece of <br> paper which follow the route - the start and end points of which are the <br> important ones for finding the overall distance. |
| Symbols | To convert this length of string / the distance on the edge of the piece of <br> paper into their 'real' distance on the ground, the scale on the map needs to <br> be used. Place the string or piece of paper against this scale and read off <br> the distance in km. Alternatively, a useful 'rule' to remember is that the blue <br> grid lines on the map are 1km apart and can be used to measure the <br> distance in km! |
| Maps use symbols to show different features on the map. It would be very |  |
| cluttered if everything was labelled in words! Symbols fall into 3 basic |  |
| categories; line /linear (e.g. roads, footpaths, contours), area (e.g. |  |
| woodland or marshes), or spot / point features (e.g. buildings, bridges, |  |
| masts, places of interest like museums, abbeys). There is a key to explain |  |
| the meaning of each symbol. |  |

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\begin{array}{|c|c|}\hline \text { Direction } & \begin{array}{l}\text { Remember that the vertical (up-down) grid lines always run due north-south. } \\
\text { Once you know which direction north is, it's fairly easy to work out the other } \\
\text { cardinal directions of the compass. North, South, East and West are the } \\
\text { main ones. Then there is NE, SE, SW and NW. It gets even more detailed if } \\
\text { you describe the points between these, e.g. NNE, ENE, ESE, SSE, SSW, } \\
\text { WSW, WNW, and NNW. }\end{array} \\
\hline \text { Grid lines } & \begin{array}{l}\text { The blue lines on the map are called grid lines; they run north-south (vertical } \\
\text { or 'eastings') and east-west (horizontal or 'northings'). Each grid line has a } \\
\text { number on it. They are not there in reality, but are a useful tool on the map } \\
\text { to help us to find places and pinpoint exact locations. }\end{array} \\
\hline \text { Grid } & \begin{array}{l}\text { Grid references give the location of a place on a map. There are 2 types: 4- } \\
\text { figure grid references and 6-figure grid references. The latter is more } \\
\text { specific - it gives the exact location of a place, whereas 4-figure grid } \\
\text { references only give the grid square where the place is located. This is an } \\
\text { area of 1km } \\
\text { Like contours, learning how to 'do' grid references can be complicated, but } \\
\text { some useful 'rules' to remember are: }\end{array}
$$ <br>
- You always read the number along the bottom first (the vertical lines <br>
or 'eastings') - 'walk before you climb' or 'along the corridor, up the <br>
stairs' are useful ways of remembering! <br>
- 4-figure grid references give the numbers of the lines which 'meet' at <br>

the bottom left corner of the grid square\end{array}\right\}\)| 6-figure grid references have 6 numbers - 4 are the numbers you |
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| already know (the 4-figure reference of the bottom left corner of the |
| grid square)...the 'missing' numbers you must 'find out' are the 3'd |
| and 6t in the sequence |

