



# Location<sup>3</sup>

<b>Aim</b>	To determine the latitude and longitude of a specified object, given the latitude and longitude of a reference point.		
<b>Materials</b>	Some A4 paper	Calculator	
<b>Method</b>	Any. Note that the avenue of trees is aligned 6° East of North. Also note that the radius of the Earth is $6.4 \times 10^6$ m.		
<b>Conditions</b>	<ul style="list-style-type: none"> <li>• No mobile phones or GPS receivers may be used.</li> <li>• The result must be given in the sexagesimal system (degrees, minutes and seconds).</li> </ul>		
<b>Time Limit</b>	25 minutes		
<b>Ranking</b>	The ranking order will be determined by the distance between the coordinates given and the actual coordinates.		

The reference point is located at: 53° 24' 14.63" (North) –2° 57' 50.26" (West)

Team		Result				N
			°	'	"	
						W

Do not write below this line

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Rank