



# GRID REFERENCE CHALLENGE



## GETTING INTO THE ACTIVITY

Head out on a timed mission to race between 6 figure grid references in a battle to be the fastest team.

Beforehand a leader will need to select some locations within walking distance of your meeting place. Each team should be given the first 6 figure grid reference to get to the first location. Once the team arrives at that location, the next 6 figure grid reference should be given. This could be done by the leader with you handing it over in a sealed envelope, sent via a text message (leader's phone) or by the grid reference being left on a sheet of paper at the location.

You'll need to race from one location to the next, using the 6 figure grid references to work out where to go to next. Teams will be timed on the challenge, with the quickest team to complete the circuit declared the winners.

**Virtual Session:** Share the Grid Reference Challenge Sheet using screenshare. Use the 6 figure grid references to mark points onto the map. Can you work out the hidden location using those references? Can you create your own hidden message using grid references?



## WHAT YOU'LL NEED

- Maps (One per group)
- Pre-Prepared Grid References
- Grid Reference Challenge Sheet (Virtual Session Only)



## KEEPING EVERYONE SAFE

Outdoor activities are encouraged due to the reduced risk of spreading Covid-19. Groups will need to be accompanied by a leader. Please think carefully about where the route will take groups and provide groups with a safety briefing beforehand. Remember to maintain social distancing as required.

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## Instructions

Plot the 6 figure grid references onto the map to reveal a secret message and a hidden location. Can you find the hidden location on the map?

### 1<sup>st</sup> Word

1<sup>st</sup> Letter - (135 160), (135 169), (132 169), (138 169)

2<sup>nd</sup> Letter - (143 160), (143 169), (143 165), (148 165), (148 169), (148 160)

3<sup>rd</sup> Letter - (157 160), (154 160), (154 165), (157 165), (154 165), (154, 169), (157 169)

### 2<sup>nd</sup> Word

1<sup>st</sup> Letter - (105 146), (105 138), (108 138)

2<sup>nd</sup> Letter - (113 146), (113 138), (117 138), (117 146), (113 146)

3<sup>rd</sup> Letter - (127 146), (122 146), (122 138), (127 138)

4<sup>th</sup> Letter - (131 138), (132,141), (134,141), (132,141), (133 146), (135 138)

5<sup>th</sup> Letter - (142 138), (142 146), (140 146), (144 146)

6<sup>th</sup> Letter - (149 138), (149 146)

7<sup>th</sup> Letter - (155 146), (155 138), (159 138), (159 146), (155 146)

8<sup>th</sup> Letter - (165 138), (165 146), (170 138), (170 146)

### 3<sup>rd</sup> Word

1<sup>st</sup> Letter - (178 138), (178 146)

2<sup>nd</sup> Letter - (186 146), (183 144), (186 141), (183 138)

### 4<sup>th</sup> Word

1<sup>st</sup> Letter - (121 125), (126 120), (121 115), (121 125)

2<sup>nd</sup> Letter - (131 125), (131 115)

3<sup>rd</sup> Letter - (142 125), (138 125), (138 115), (142 115), (142 120), (140 120)

4<sup>th</sup> Letter - (152 125), (148 125), (148 115), (152 115), (152 120), (150 120)

5<sup>th</sup> Letter - (159 125), (159 115), (163 115)

6<sup>th</sup> Letter - (170 125), (167 125), (167 120), (170 120), (167 120), (167 115), (170 115)

**The 6 figure grid reference of the hidden location is:**

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