



Magnetic Variation

3.3°W of Grid North

Adjust your compass 3° to the West of North (anticlockwise).

Using the 1:25,000 OS Map provided, answer the following questions on the answer sheet. Remember to follow the steps on the instructions sheet **and don't forget the magnetic variation (declination).**

1) Measure the compass bearings for the following points on your map:

- Swavesey Windmill (354687) to High Causeway Bridge (347685)
- Fen Drayton Church (339682) to St. John's College Farm (344676)
- Bar Hill Golf Course (388635) to Dry Drayton Phone Box (380621)
- Cottenham Village College (446676) to Telephone Mast (456668)
- Hilton Turf Maze (295663) to Child's Farm (292642)
- Heading north-west along the Cow Fen Road (East of Swavesey) between Ramper Road and Fenwillow Farm

2) Use the bearings and starting points to work out the mystery location:

- Leave Houghton Mill Campsite (283719) on a bearing of 140° for 1500m.
- Leave Colne Pub (370758) on a bearing of 198° for 1250m.
- Leave Broughton Telephone Box (279777) on a bearing of 70° for 300m.
- Leave Lawn Cottage (347777) on a bearing of 196° for 2000m.
- Leave Wood Farm (351748) on a bearing of 282° for 1500m.

1) Compass Bearings

a. Measured Bearing: _____ Calculated Bearing: _____

b. Measured Bearing: _____ Calculated Bearing: _____

c. Measured Bearing: _____ Calculated Bearing: _____

d. Measured Bearing: _____ Calculated Bearing: _____

e. Measured Bearing: _____ Calculated Bearing: _____

f.

i. Measured Bearing: _____ Calculated Bearing: _____

ii. Measured Bearing: _____ Calculated Bearing: _____

iii. Measured Bearing: _____ Calculated Bearing: _____

iv. Measured Bearing: _____ Calculated Bearing: _____

Average Calculated Bearing: _____

2) Mystery Locations

a. Location: _____

b. Location: _____

c. Location: _____

d. Location: _____

e. Location: _____

Group Name: _____
Group Members: _____