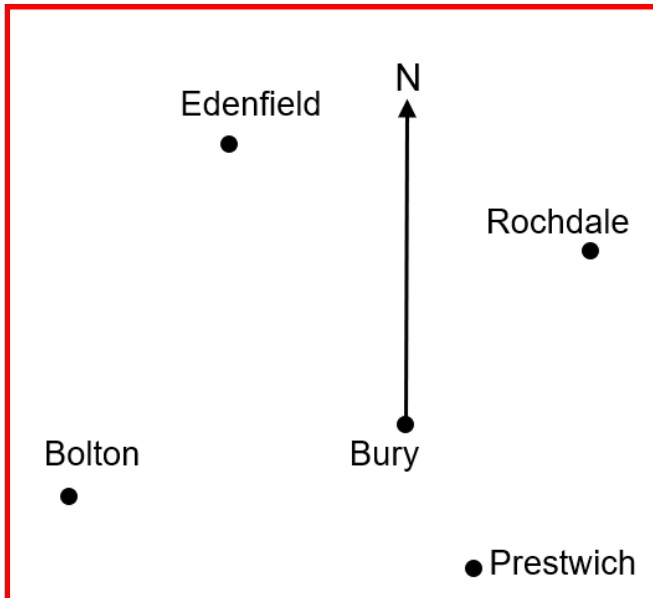


## Bearings and Scale Diagrams

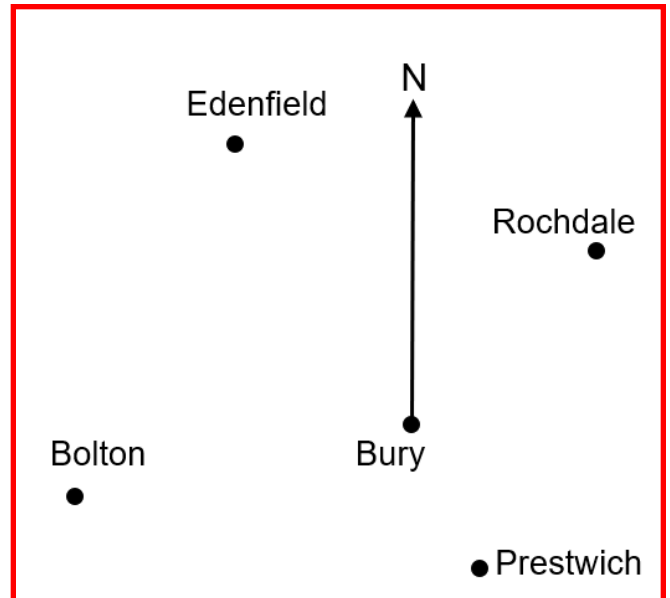


A scale diagram showing five locations: Bolton, Bury, Edenfield, Rochdale, and Prestwich. A north arrow is drawn from Bury, pointing upwards and labeled 'N'. The locations are plotted as follows: Bolton is to the west of Bury; Edenfield is to the north of Bury; Rochdale is to the east of Bury; and Prestwich is to the southeast of Bury.

Using a scale of 1 cm to 2 km, find the distance and bearings of the following:

- Rochdale from Bury
- Prestwich from Bury
- Edenfield from Bury
- Bolton from Bury

## Bearings and Scale Diagrams



A scale diagram showing five locations: Bolton, Bury, Edenfield, Rochdale, and Prestwich. A north arrow is drawn from Bury, pointing upwards and labeled 'N'. The locations are plotted as follows: Bolton is to the west of Bury; Edenfield is to the north of Bury; Rochdale is to the east of Bury; and Prestwich is to the southeast of Bury.

Using a scale of 1 cm to 2 km, find the distance and bearings of the following:

- Rochdale from Bury
- Prestwich from Bury
- Edenfield from Bury
- Bolton from Bury

Using the same scale diagram, find the bearing of:

- Bury from Edenfield
- Bury from Rochdale

Using the same scale diagram, find the bearing of:

- Bury from Edenfield
- Bury from Rochdale

A ship sails from a port on a bearing of  $100^\circ$  for 50 km. It then turns and sails on a bearing of  $240^\circ$  for 80 km. Using a scale of 1 cm to 10 km, draw a scale diagram. Find the distance of the ship from the port, and the bearing it must head on to return to the port.

A ship sails from a port on a bearing of  $100^\circ$  for 50 km. It then turns and sails on a bearing of  $240^\circ$  for 80 km. Using a scale of 1 cm to 10 km, draw a scale diagram. Find the distance of the ship from the port, and the bearing it must head on to return to the port.

- The bearing of B from A is  $110^\circ$ . Find the bearing of A from B.
- The bearing of B from A is  $x^\circ$ . Find the bearing of A from B.

- The bearing of B from A is  $110^\circ$ . Find the bearing of A from B.
- The bearing of B from A is  $x^\circ$ . Find the bearing of A from B.