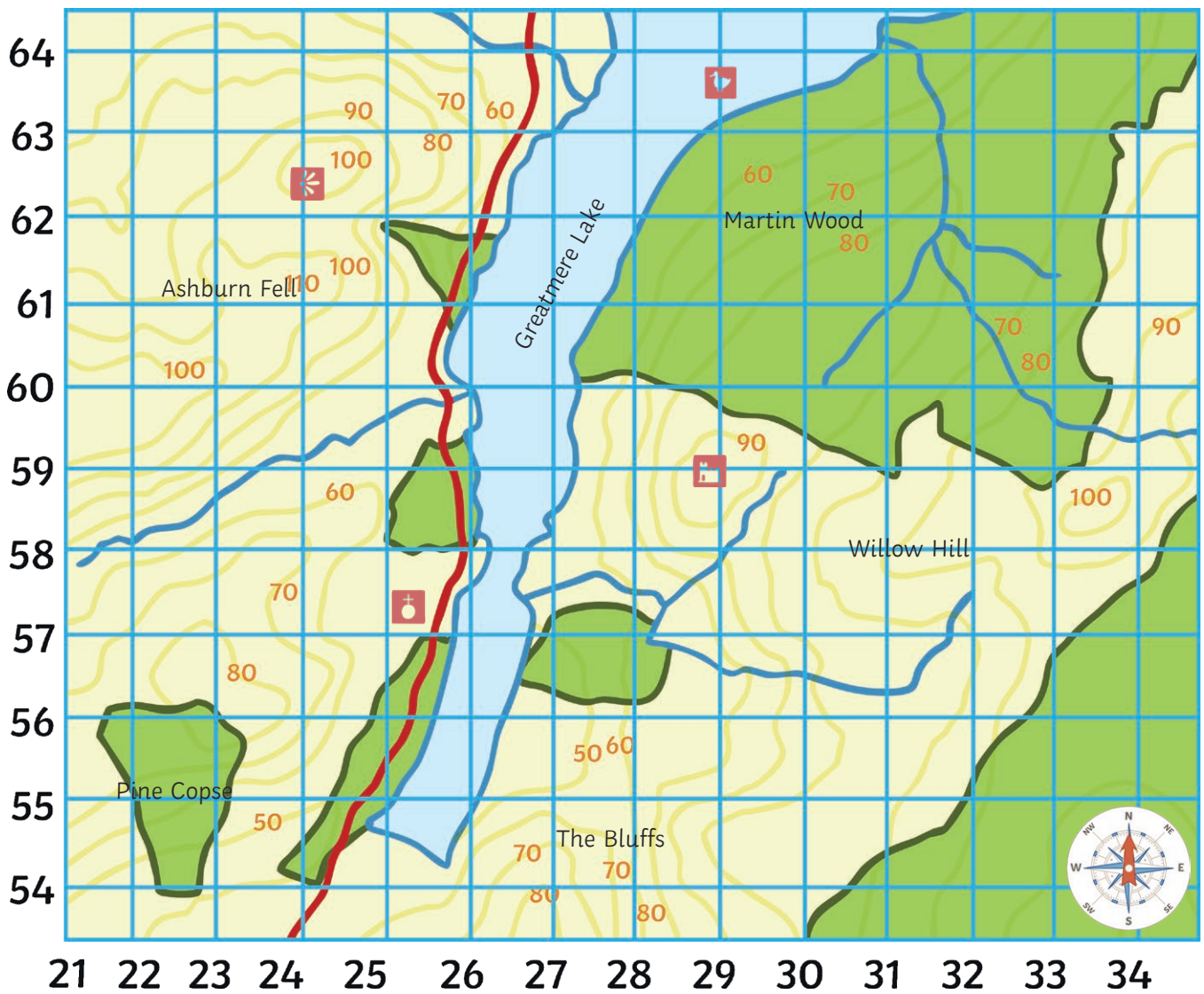




# Map Skills

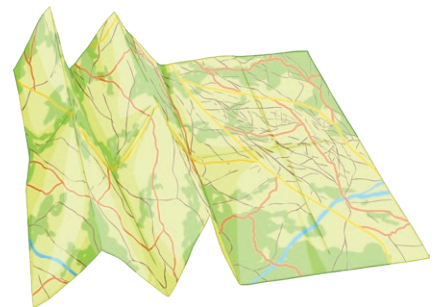


Scale:  1km

## Map Symbols

What do the following map symbols show?

1.  \_\_\_\_\_
2.  \_\_\_\_\_
3.  \_\_\_\_\_
4.  \_\_\_\_\_



What features are shown by the coloured lines?

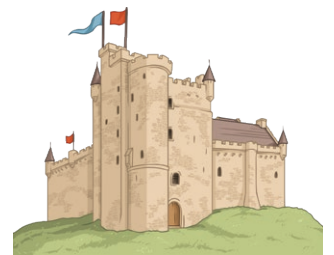
- 5. A blue line shows \_\_\_\_\_
- 6. A red line shows \_\_\_\_\_
- 7. A brown line shows \_\_\_\_\_



**Direction**

You need to know which direction to travel in. Can you find the correct answers?

- 1. The nature reserve is to the **north/east** (delete as appropriate) of the castle.
- 2. Ashburn Fell is to the **west/east** (delete as appropriate) of Martin Wood.
- 3. The viewpoint is to the **north-east/north-west** (delete as appropriate) of the castle.
- 4. The church is to the **south-west/south-east** (delete as appropriate) of Martin Wood.
- 5. Louis wants to walk from the church to the Pine Cops. Which direction must he travel in?  
\_\_\_\_\_
- 6. Louis wants to walk from the church to Greatmere Lake. Which direction must he travel in?  
\_\_\_\_\_



**Grid References**

You need to know the location of the places that you would like to visit.

- 1. What are the four-figure grid references for...
  - a. the church? \_\_\_\_\_
  - b. Pine Copse? \_\_\_\_\_
- 2. What are the six-figure grid references for...
  - a. the castle? \_\_\_\_\_
  - b. the nature reserve? \_\_\_\_\_

**Scale**

You want to know how far places are from each other.

- 1. How far is the nature reserve to the castle? \_\_\_\_\_
- 2. How far is the church from the viewpoint? \_\_\_\_\_
- 3. How far is the viewpoint to the nearest road? \_\_\_\_\_
- 4. How far is the church from the nature reserve? \_\_\_\_\_

**Challenge:** What things will prevent your friend from travelling in a straight line between the different locations?

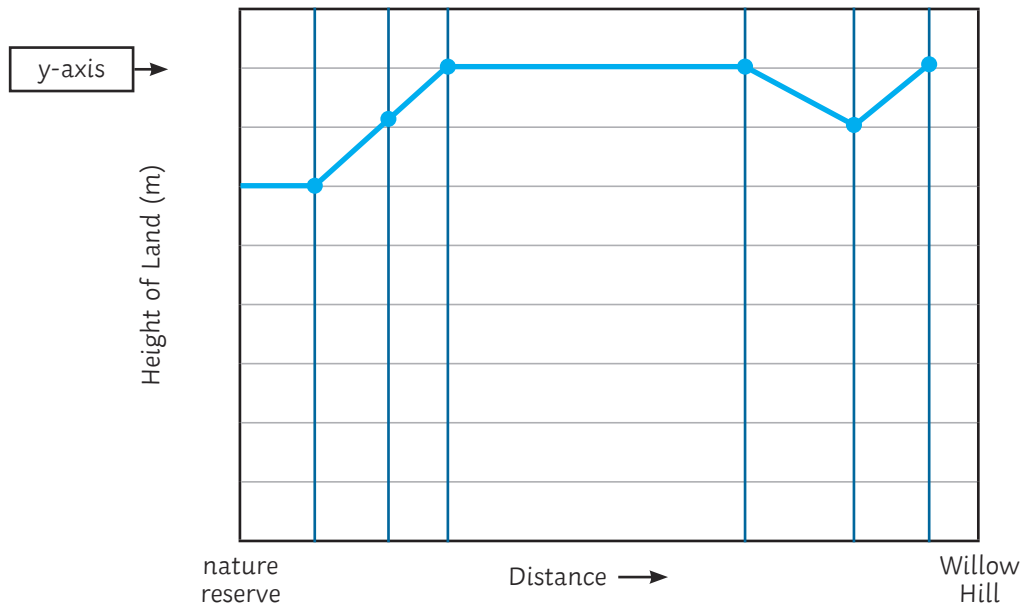
\_\_\_\_\_

\_\_\_\_\_

**Contours**

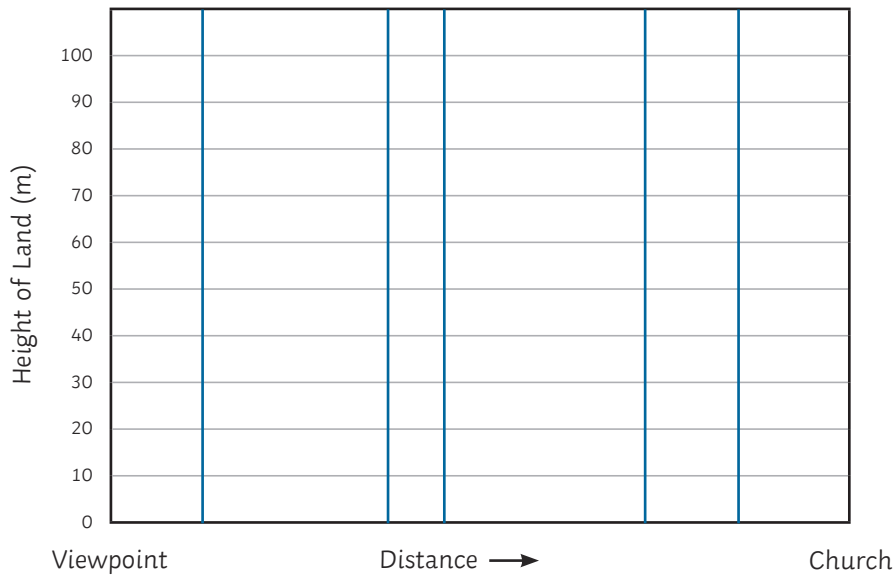
You should consider which routes will be too steep

This cross-section shows the route between Willow Hill and the nature reserve. Label the y-axis so it shows the correct height of the land.



**Challenge**

Draw the cross-section of the route between the viewpoint and the church.



**Challenge**

Plan your trip to Greatmere. If you started at the viewpoint, describe your journey around the lake to the church, castle and the nature reserve. Give as much detail as you can. You could include information about the direction, the distance (km) and the steepness of the land (m).