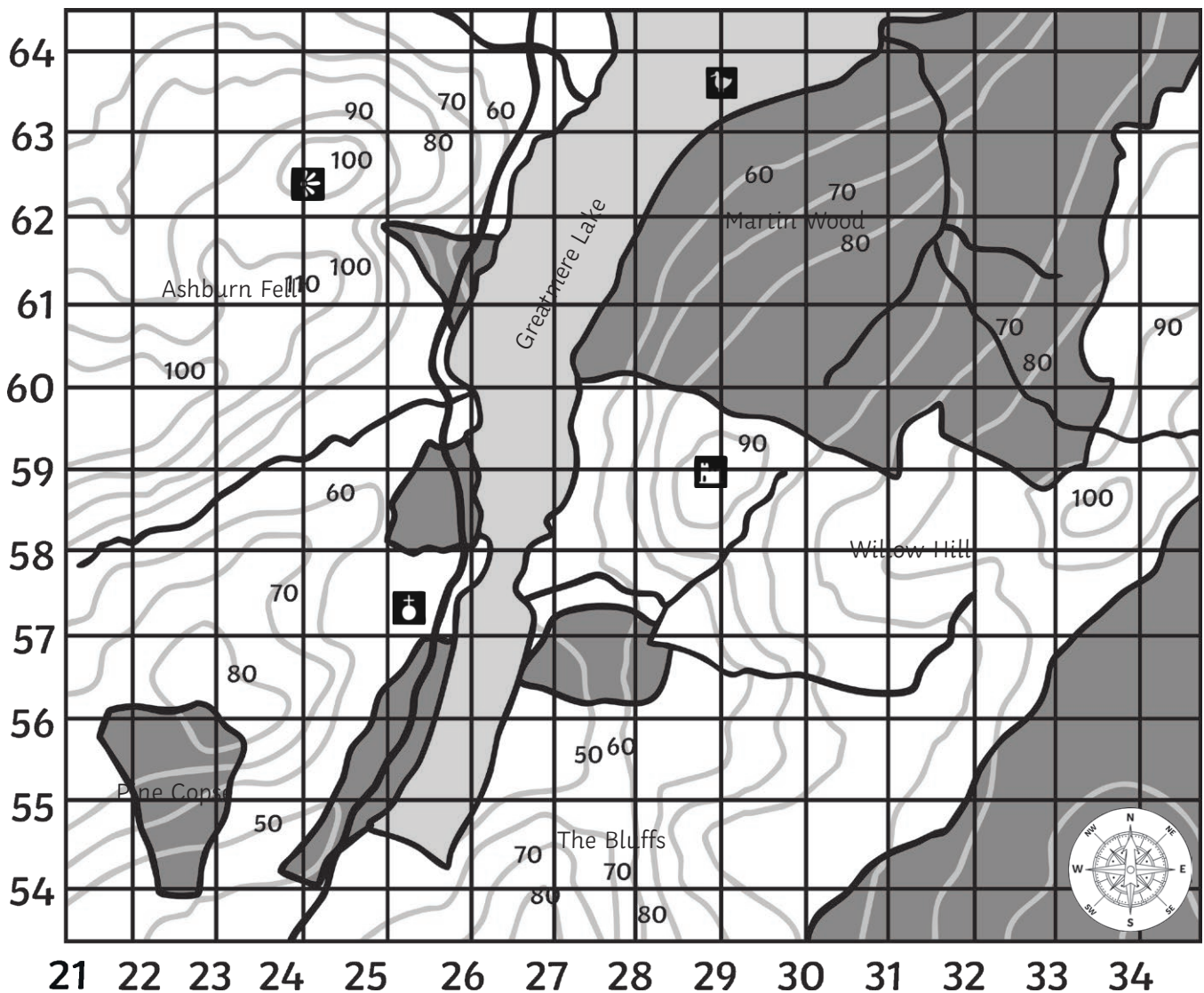


Map Skills Answers

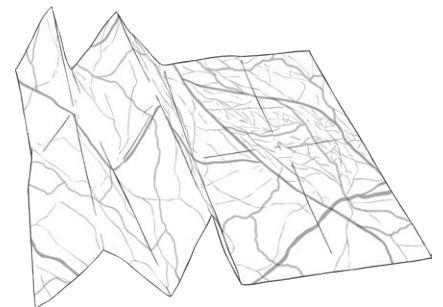


Scale:  1km

Map Symbols

What do the following map symbols show?

1.  viewpoint
2.  castle
3.  church
4.  nature reserve



What features are shown by the coloured lines?

5. A blue line shows **a river**.
6. A red line shows **a road**.
7. A brown line shows **a contour line**.



Direction

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

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



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? **2557**
 - b. Pine Copse? **2254, 2155, 2255, 2355, 2354, 2156, 2256**
2. What are the six-figure grid references for...
 - a. the castle? **289 590**
 - b. the nature reserve? **290 636**

Scale

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

1. How far is the nature reserve to the castle? **4.8km**
2. How far is the church from the viewpoint? **5km**
3. How far is the viewpoint to the nearest road? **2.1km**
4. How far is the church from the nature reserve? **6.3km**

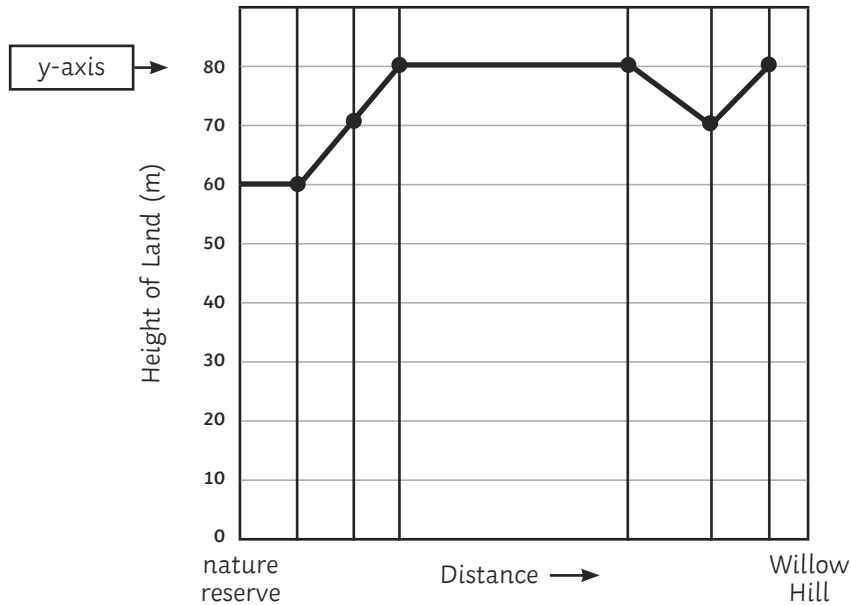
Challenge: What things will prevent your friend from travelling in a straight line between the different locations?

the lake, busy roads, rivers, steep slopes

Contours

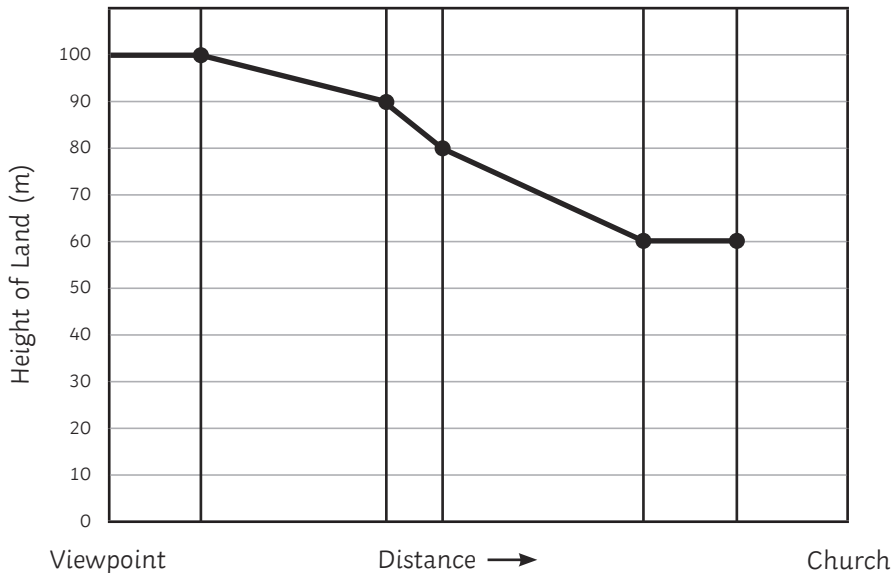
You should consider which routes will be too steep.

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).