

Navigation Quiz

This quiz is designed to help assess your knowledge. Theory on its own is not a replacement for well-practised mountain navigation skills. Structuring effective practice will maximise your success and safety. Getting out to practice will expose your weaknesses and allow you time to improve before your skills prior to a WildFox Event. (See our top tips on the answer sheet).

Questions

- 1. On a 1:50,000 OS map, 1km is represented by how many centimetres?**
 - 1cm
 - 4cm
 - 2cm
 - 8cm
- 2. You're to walk 2km with 350m height gain. Observing Naismith's rule, how long should it take you (use 4km an hour and 1min per 10m height gain)?**
 - 50min
 - 1hr 5min
 - 1hr 15min
 - 1hr 35min
- 3. What is the vertical height difference between contours on a 1:50,000 OS map?**
 - 20m
 - 5m
 - 15m
 - 10m
- 4. A map scale shows:**
 - The relationship between actual distance and distance shown on a map
 - Meaning of symbols on a map
 - Landforms and physical features of the earth
 - The four cardinal directions and the four intermediate directions

5. Which of the following are major terrain features?

- Hill
- Cliff
- Ridge
- Road

6. What are types of contour lines?

- Index
- Primary
- Supplementary
- Secondary

7. You're to walk 6km with 1050m height gain. Observing Naismith's rule, how long should it take you (use 4km an hour and 1min per 10m height gain)?

- 1hr 50min
- 3hr 5min
- 3hr 15min
- 3hr 35min

8. If you make a 10-degree compass error over a 1mile distance, you will probably miss your objective by about:

- 10ft
- 100ft
- 1,000ft
- 10,000ft

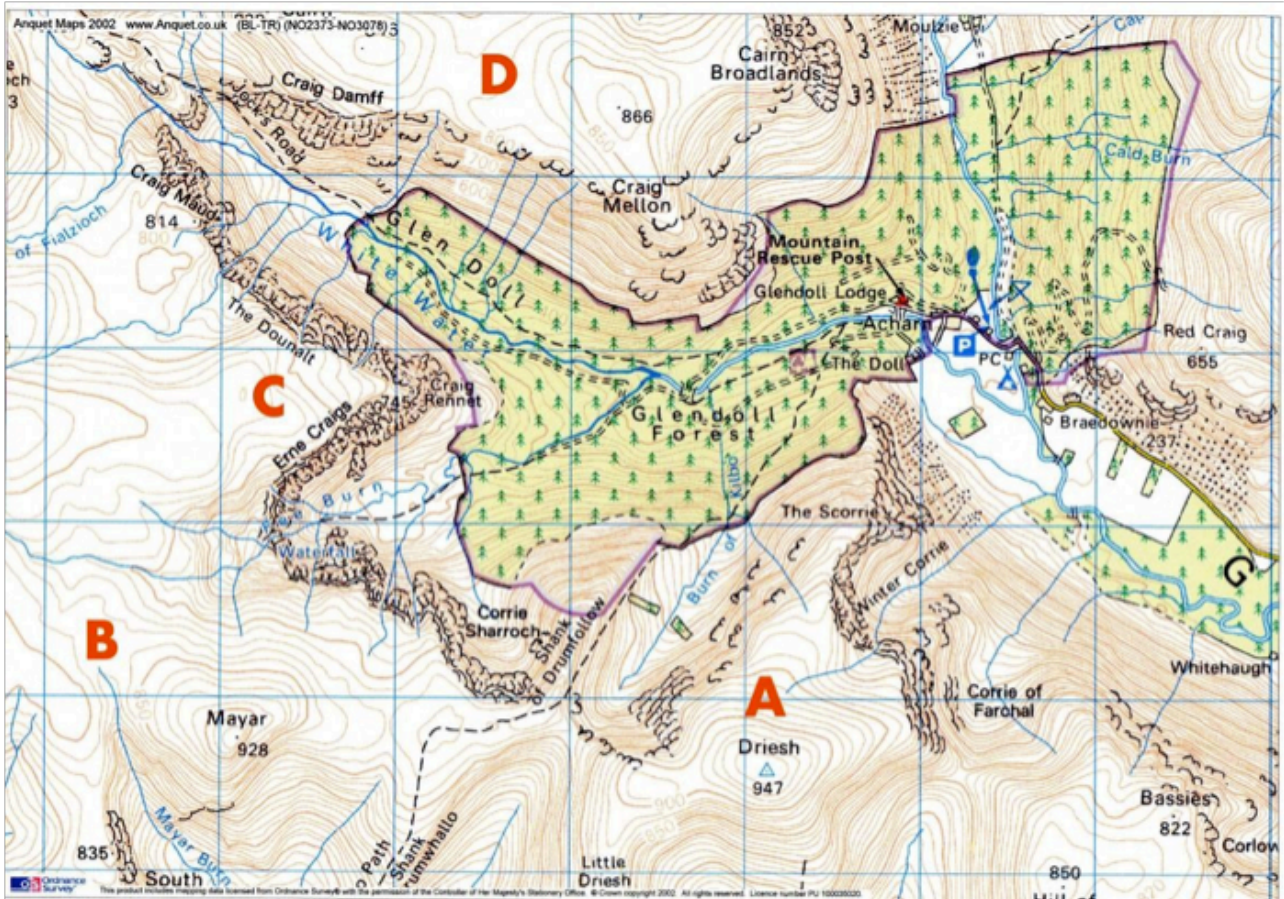
9. A four-figure grid reference represents what?

- The co-ordinates or point where the two lines meet
- The grid square to the north west of the point
- The grid square to the north and east of the point
- The grid square to the south and west of the point



10. What are the points of the compass starting at 12 o'clock and heading clockwise?

- East, North, South, West
- South, West, North, East
- North, East, South, West
- West, North, East, South



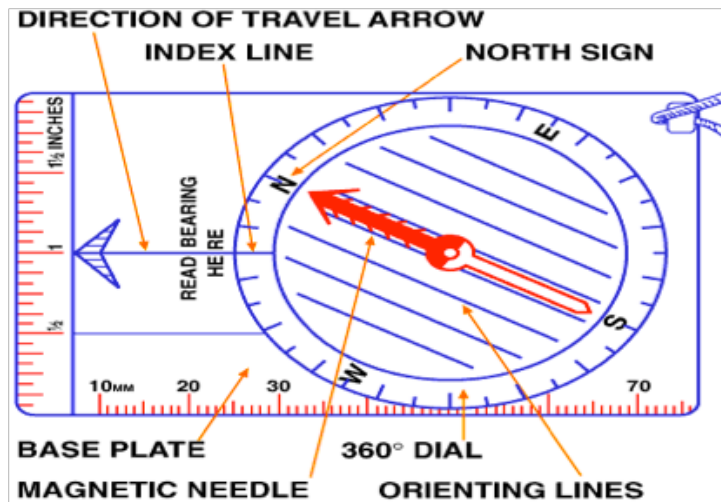
11. Where are the following features:

- Knoll
- Plateau
- Re-entrant
- Bealach

12. What feature would you expect to find directly to the North and East from point C?

- Cliff Face
- Flat Plateau
- Mountain Summit
- Car Park





13. True or False

- A compass needle is magnetized
- A compass works best when held flat
- Since a compass is affected by magnetic fields, it needs to be used away from iron and steel objects
- The compass housing cannot be turned or rotated
- The cardinal direction points N, S, E and W correspond to degrees. North is 0 or 360; South is 180; East is 90; West is 270
- The parallel lines inside the dial are known as orienting lines
- The compass needle is painted two colours (Red – North; White - South)

14. What is the 6 figure GR for the below?

- 414512
- 412420
- 511414

