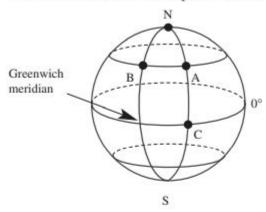
Working with time

Latitude and Longitude

- 1 A diagram of Earth's surface is shown below. The coordinates of point A are (60°N, 70°E).
 - a What are the coordinates of point B?
 - b What are the coordinates of point C?
 - c What is the maximum value possible for latitude? Where does it occur?



- 2 Brussels is located at (50°N, 4°E). Lima is located at (12°S, 77°W).
 - a Which city is closer to the equator?
 - b What is the difference in latitude between Brussels and Lima?
 - c What is the difference in longitude between Brussels and Lima?
- 3 Tehran is located at (35°N, 51°E). Wellington is located at (41°S, 174°E).
 - a Which city is closer to the Greenwich meridian?
 - b What is the difference in latitude between Teheran and Wellington?
 - What is the difference in longitude between Teheran and Wellington?
- 4 Nagoya is located at (35°N, 136°E). Determine the coordinates of a point that is:
 - a 20° due south of Nagoya
 - b 20° due north of Nagoya
 - c 20° due west of Nagoya
 - d 20° due east of Nagoya.
- 5 Belgrade is located at (44°N, 20°E). Determine the coordinates of a point that is:
 - a 40° due south of Belgrade
 - b 40° due north of Belgrade
 - c 40° due west of Belgrade
 - d 40° due east of Belgrade.