

Time Zones

Geography KS2 Year 5 & 6



Time Zone

Geography

Key Stage 2 Years 5 and 6

Curriculum links

Locational knowledge.

Identify the position and significance of latitude, longitude, Equator, Northern Hemisphere, Southern Hemisphere, the Tropics of Cancer and Capricorn, Arctic and Antarctic Circle, the Prime/Greenwich Meridian and time zones (including day and night).

Keywords

Time zones. Prime (Greenwich) Meridian. International Date Line. Greenwich Mean Time (GMT). British Summer Time (BST).

These can also be found on pages 4-9 of this PDF.

Time Zones

**Prime
(Greenwich)
Meridian**

**International
Date Line**



PowerPoint presentation

The accompanying PowerPoint presentation has 20 slides with the following learning points:

- Slides 1 and 2 introduce the lesson and the learning outcomes.
- Slides 3 and 4 discuss the fact that when it is daytime in Britain it is night time in Australia.
- Slide 5 introduces the concept of time zones. There are 24 time zones.
- Slide 6 introduces the Prime (or Greenwich) Meridian and Greenwich Mean Time (GMT).
- Slide 7 introduces the International Date Line.
- Slides 11 and 12 show two cities west and east of the Prime Meridian (New York and Budapest).
- Slide 12: Explains the time difference between Dallas and the UK.
- Slides 14 and 15: A series of places west of the Prime Meridian (behind GMT). Children work out the time in each place.
- Slide 16: Introduces places (Tokyo) east of the Prime Meridian.
- Slides 17 and 18: A series of places east of the Prime Meridian (ahead of GMT). Children work out the time in each place.
- Slide 19: British Summer Time.

Activity

Show the children a series of time zones across the world, east and west of the Prime Meridian.

Ask them to work out the time in each country.

This activity can be done interactively via the PowerPoint slides 14 and 15 (west of the Prime Meridian) and 17 and 18 (east of the Prime Meridian).

The questions are also supplied at the end of this PDF, as well as on the accompanying word version.



Time Zones: Keywords Flashcards



Time zones

**Prime
(Greenwich)
Meridian**

**International
Date Line**

**Greenwich
Mean Time
(GMT)**

**British
Summer
Time (BST)**

Time Zones



Prime (Greenwich) Meridian



International Date Line



Greenwich Mean Time (GMT)



British Summer Time (BST)

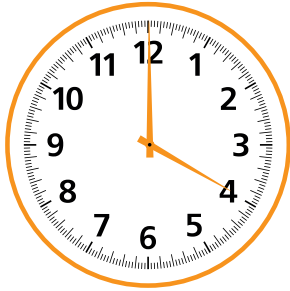


Time Zones

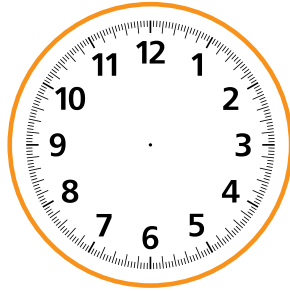
These places are **west** of the **Prime Meridian**.

When it is **midday** in the **UK**, what time is it there?

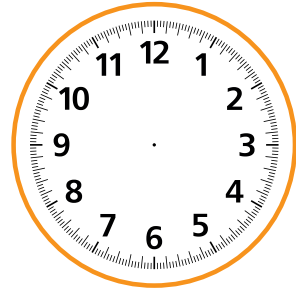
Example:
USA, Los Angeles
8 hours behind GMT



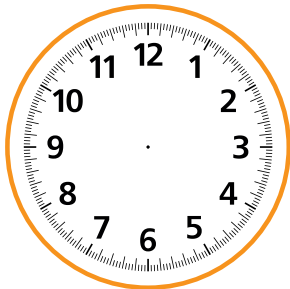
USA, New York
5 hours behind GMT



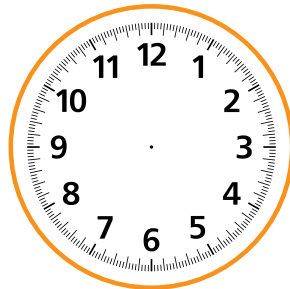
Canada, Vancouver
8 hours behind GMT



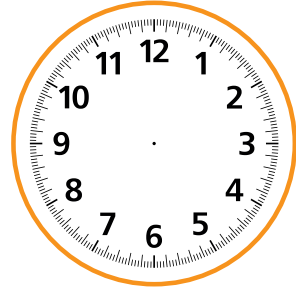
Brazil, Rio de Janeiro
3 hours behind GMT



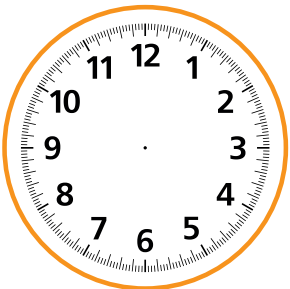
Barbados, Bridgetown
4 hours behind GMT



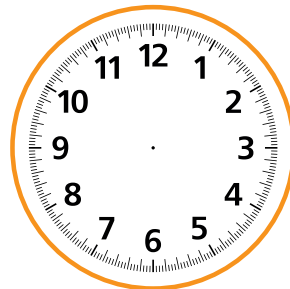
Canada, Montreal
5 hours behind GMT



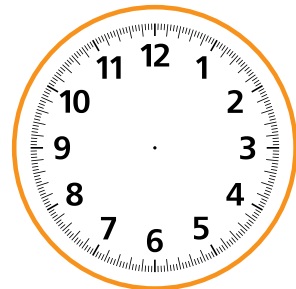
The Bahamas
5 hours behind GMT



West Africa, Senegal,
Dakar 0 hours behind GMT



Hawaii, Honolulu
10 hours behind GMT

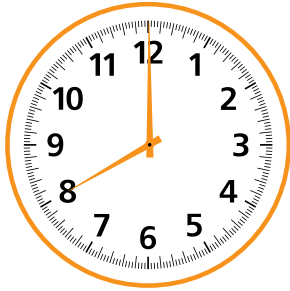


Time Zones

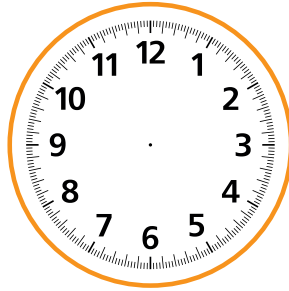
These places are east of the Prime Meridian.

When it is **midday** in the **UK**, what time is it there?

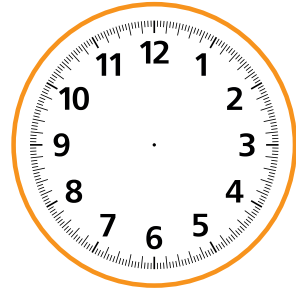
Example
China, Beijing
8 hours ahead of GMT



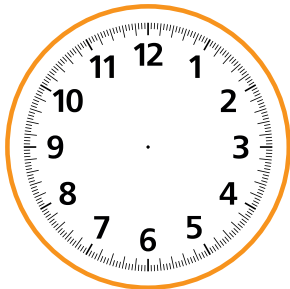
Kenya, Nairobi
3 hours ahead of GMT



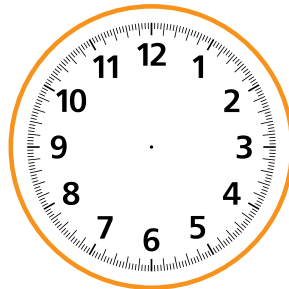
Australia, Perth
8 hours ahead of GMT



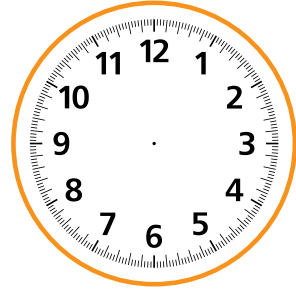
Spain, Barcelona
1 hour ahead of GMT



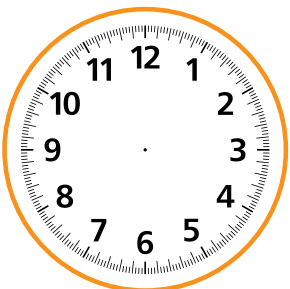
Australia, Melbourne
11 hours ahead of GMT



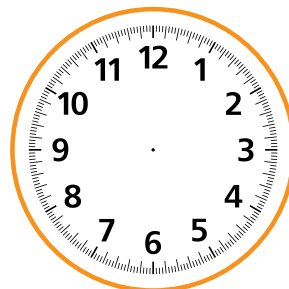
France, Paris
1 hour ahead of GMT



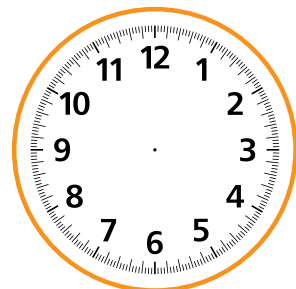
Russia, Moscow
2 hours ahead of GMT



Russia, Siberia
6 hours ahead of GMT



South Africa, Cape Town
2 hours ahead of GMT

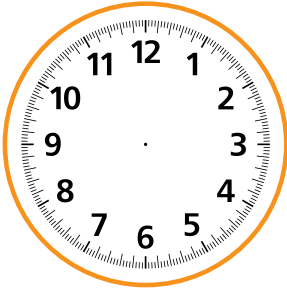
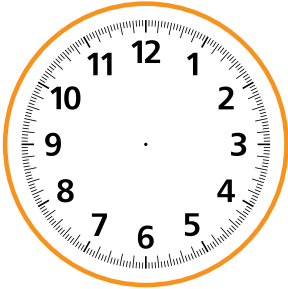
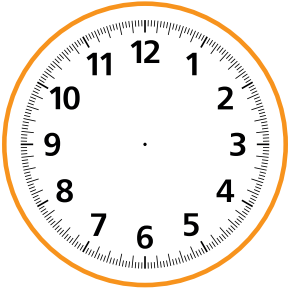


Time Zones

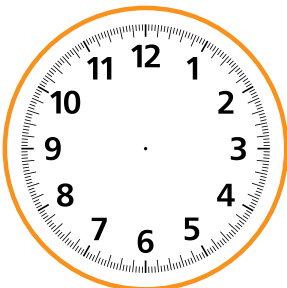
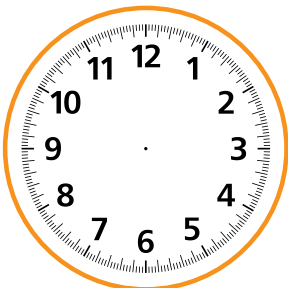
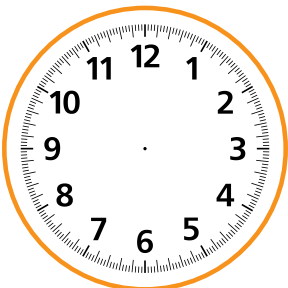
When it is **midday** in the **UK**, what time is it in the places you choose, west and east of the Prime Meridian?

How many hours are they behind or ahead of GMT?

West of the Prime Meridian.

Place: _____	Place: _____	Place: _____
		
_____ hours behind GMT	_____ hours behind GMT	_____ hours behind GMT

East of the Prime Meridian.

Place: _____	Place: _____	Place: _____
		
_____ hours ahead of GMT	_____ hours ahead of GMT	_____ hours ahead of GMT