

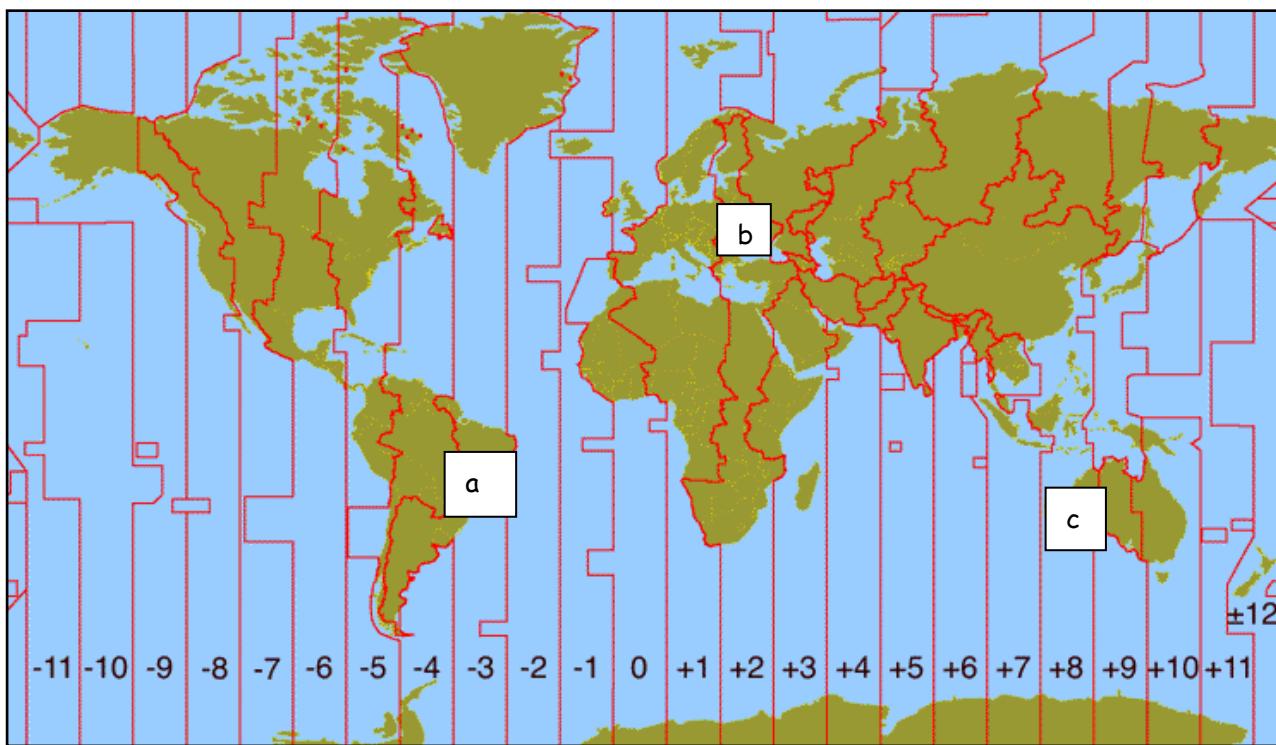
Grade 8 Social Sciences Worksheet

Map Skills

Geography

Time: 1 hour

Map 1 – World Time Zones



Study Map 1 above, showing the world time zones.

1. Read the sentence below on the concept of longitude and time and **circle or highlight** the correct option for the phrases in bold.

*Time changes by **one / two** hours for every 15° east or west you move from the central line of longitude, which is called the **Greenwich Meridian / Equator**.*

*When we travel eastwards we **lose / gain** time and when we travel westwards we **lose / gain** time.*

[4]

2. The time in South Africa is 18h00 (6 pm) on Wednesday evening. **Match** each of the times given below with the places marked a-c on Map 1, using your knowledge of longitude and time. Write down the letter of the correct place next to the time given.

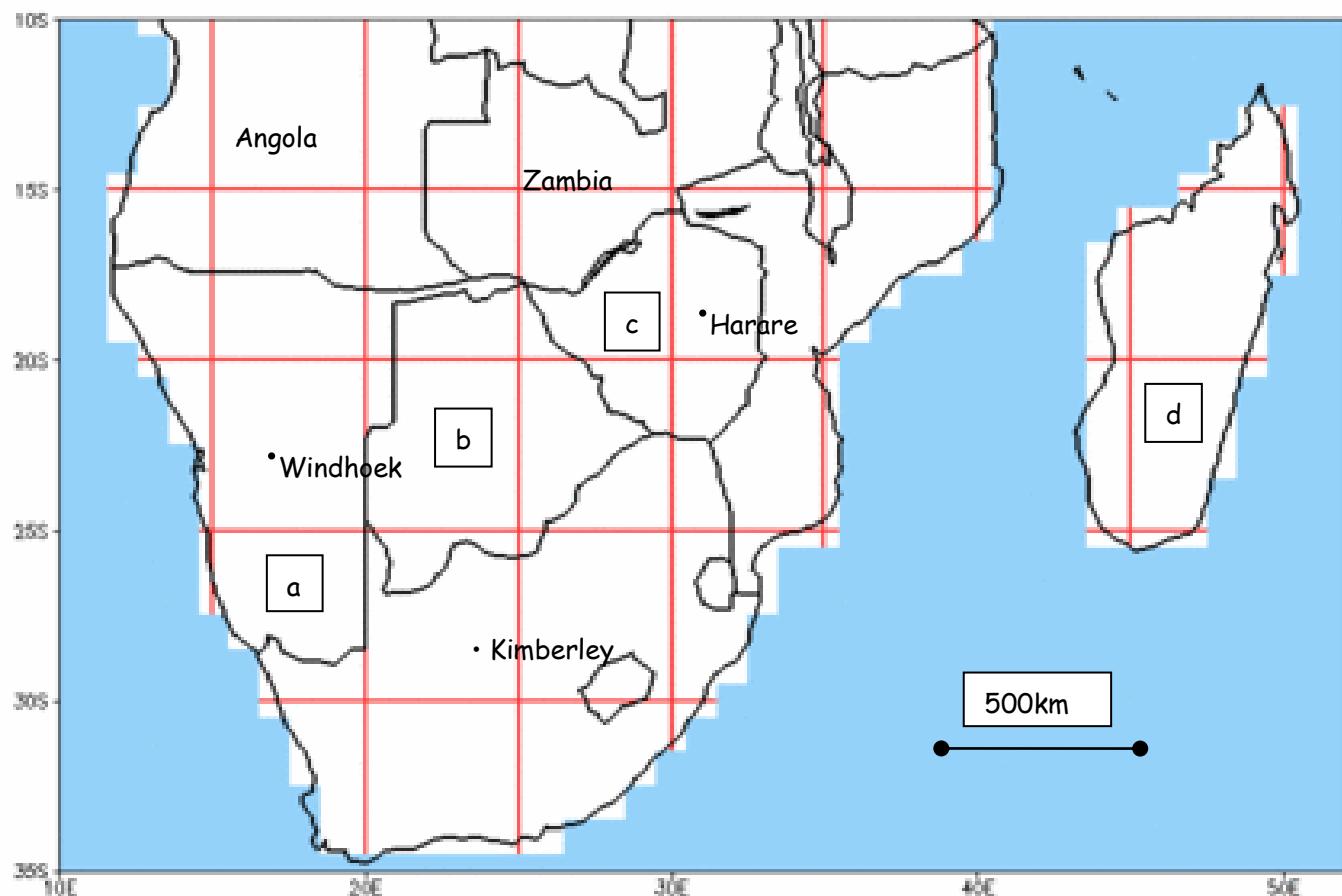
Grade 8 Social Sciences Worksheet

2.1 13h00
 2.2 24h00
 2.3 18h00

[3]

3. The date and time in Perth, Australia (marked c on the world map above), is 03h00 on Sunday 14 June. **Calculate** the time and date in Johannesburg, South Africa.

[2]



Map 2 – Southern Africa

Study Map 2 (Southern Africa) above and use it to answer the questions that follow.

4. **Name** the country you would find yourself in at the following co-ordinates:

4.1 $15^{\circ}\text{S}; 20^{\circ}\text{E}$
 4.2 $20^{\circ}\text{S}; 40^{\circ}\text{E}$

[2]

5. **Give** the co-ordinates (grid reference) for the following cities:

Grade 8 Social Sciences Worksheet

5.1 Windhoek
5.2 Harare [4]

6.1 **Name** ONE country shown on the map that lies on 30°E. [1]
6.2 **Name** the ocean through which the 10°E line of longitude runs. [1]
6.3 **Name** the countries labelled a – d on the map. [4]

7 **Measure** the **bearing** and **direction** from Kimberley to the following cities:
7.1 Windhoek
7.2 Harare [4]

8. **Measure** the distance, in km, from Gaborone to the following cities:
8.1 Pretoria
8.2 Cape Town [4]

9. The cities listed below are some of the provincial capitals of South Africa. For each one, **name** the province in which they are found.
9.1 Cape Town
9.2 Pietermaritzburg
9.3 Kimberley [3]

[32]

Grade 8 Social Sciences Worksheet

Possible Solutions

1. **Read** the sentence below on the concept of longitude and time and **circle or highlight** the correct option for the phrases in bold.

*Time changes by one hour for every 15° east or west you move from the central line of longitude, which is called the **Greenwich Meridian**. When we travel eastwards we **gain** time and when we travel westwards we **lose** time.*

[4]

2. The time in South Africa is 18h00 (6 pm) on Wednesday evening. **Match** each of the times given below with the places marked a – c on Map 1, using your knowledge of longitude and time. Write down the letter of the correct place next to the time given.

Time:

2.1	13h00	a
2.2	24h00	c
2.3	18h00	b

[3]

3. The date and time in Perth, Australia (marked 3 on the world map above), is 03h00 on Sunday 14 June. **Calculate** the time and date in Johannesburg, South Africa.

[2]

21h00 Saturday 13th June

Perth six hours ahead of Joburg.

$03h00 - 6 \text{ hours} = -3 \text{ hours} = (24 - 3) \text{ hours the day before}$
 $= 21h00 \text{ Saturday 13}^{th}$

4. **Name** the country you would find yourself in at the following co-ordinates:

4.1	$15^{\circ}\text{S}; 20^{\circ}\text{E}$	Angola
4.2	$20^{\circ}\text{S}; 40^{\circ}\text{E}$	Mozambique

[2]

5. **Give** the co-ordinates (grid reference) for the following cities:

5.1	Windhoek	23°S
5.2	Harare	17°E

[4]

6.1 **Name** ONE country shown on the map that lies on 30°E .

One of Zambia, Zimbabwe or South Africa

[1]

6.2 **Name** the ocean through which the 10°E line of longitude runs.

Atlantic Ocean

[1]

6.3 **Name** the countries labelled a – d on the map.

a) Namibia; b) Botswana; c) Zimbabwe; d) Madagascar

[4]

Grade 8 Social Sciences Worksheet

7. **Measure** the **bearing** and **direction** from Kimberley to the following cities:

7.1 Windhoek Between 300° and 305° ; NW
7.2 Harare Between 35° and 45° ; NE

[4]

8. **Measure** the distance, to the nearest 250 km, from Kimberley to the following cities:

8.1 Windhoek 1 000 km
8.2 Harare 1 250 km

[4]

9. The cities listed below are some of the provincial capitals of South Africa. For each one, **name** the province in which they are found.

9.1 Cape Town Western Province
9.2 Pietermaritzburg Kwazulu-Natal
9.3 Kimberley Northern Cape

[3]

[32]