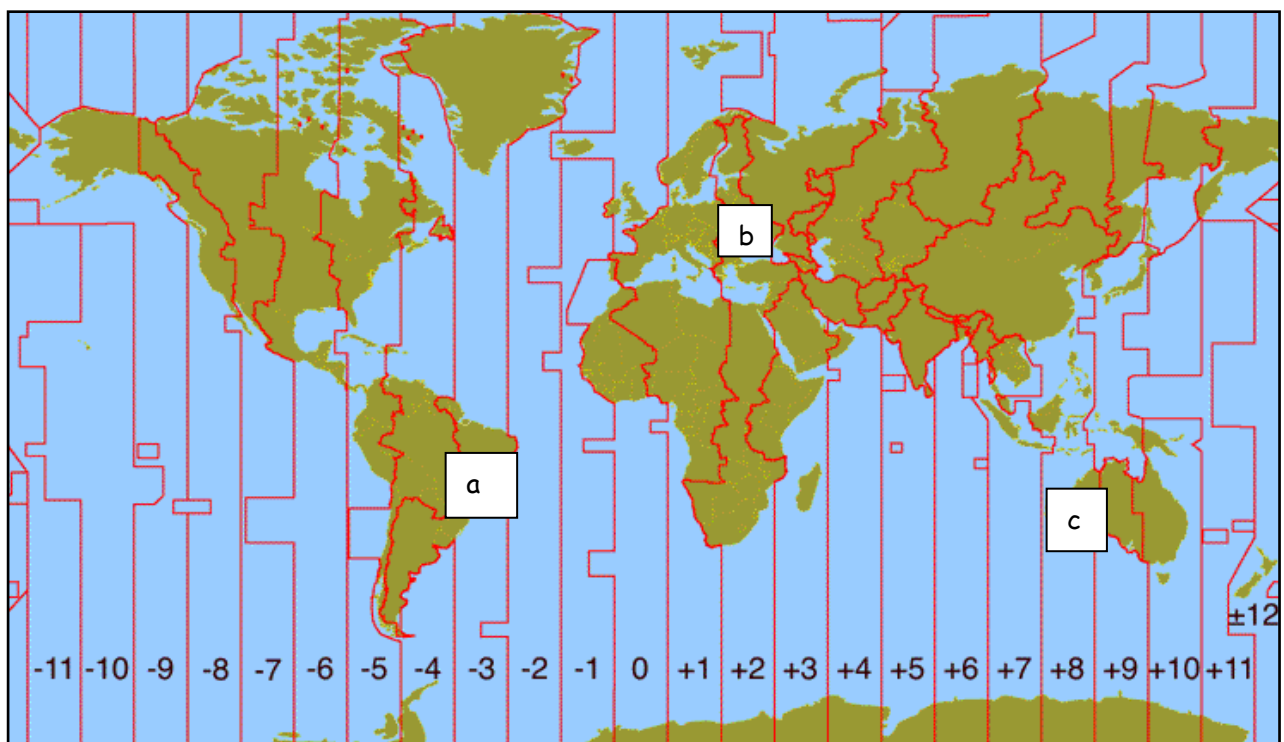


## Grade 8 Social Sciences Worksheet

### 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.

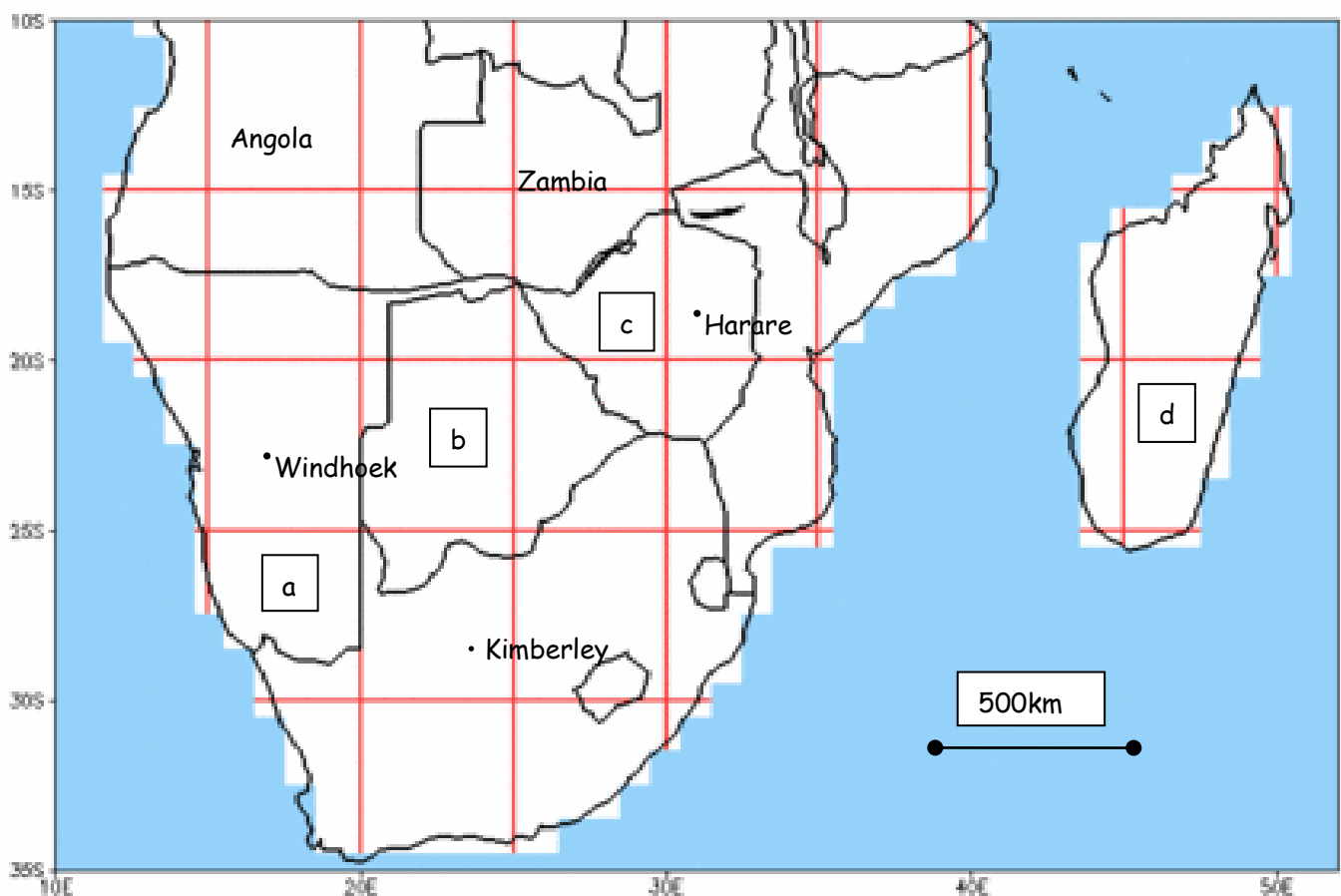
[4]

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.

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- 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°S; 20°E  
 4.2 20°S; 40°E [2]
5. **Give** the co-ordinates (grid reference) for the following cities:

## Grade 8 Social Sciences Worksheet

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- 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 13<sup>th</sup> June

Perth six hours ahead of Joburg.

03h00 – 6 hours = -3hours = (24 – 3) hours the day before  
= 21h00 Saturday 13<sup>th</sup>

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

- |     |            |            |     |
|-----|------------|------------|-----|
| 4.1 | 15°S; 20°E | Angola     |     |
| 4.2 | 20°S; 40°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

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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]