Time zones and temperature

Name: _____ Date: _____

Remember: First check what one small line is worth, and read at the top of the red line. Difference = higher − lower. Below 0: count up to 0 and then on. East = later, west = earlier.

1. Each small line is 1 °C. What is the temperature?



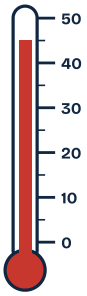
Answer: _____

2. Each small line is 2 °C. What is the temperature?



Answer: _____

3. Each small line is 5 °C. What is the temperature?



Answer: _____

4. Each small line is 1 °C. What is the temperature?



Answer: _____

5. Each small line is 2 °C. What is the temperature?



Answer: _____

6. At what temperature does water freeze?

Answer: _____

7. What is a normal body temperature?

Answer: _____

8. Choose the best temperature for a fridge: **a)** 4 °C **b)** 40 °C **c)** 100 °C

Answer: _____

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9. In the morning it is –4 °C and in the afternoon 11 °C. How much did the temperature rise?

Answer: _____

10. In Sutherland it is 3 °C at 18:00 and –5 °C at 02:00. How much did it drop?

Answer: _____

11. Write from coldest to warmest: 2 °C; –7 °C; 0 °C; –1 °C; 5 °C

Answer: _____

12. It is 09:30 in South Africa. Beijing is 6 hours ahead of us. What time is it in Beijing?

Answer: _____

13. It is 14:00 in South Africa. Accra (Ghana) is 2 hours behind us. What time is it in Accra?

Answer: _____

14. Thandi in Cape Town wants to call her uncle in Tokyo (7 hours ahead of us) at 19:00 Tokyo time. What time must she call in South Africa?

Answer: _____

15. The hottest day in Upington was 41 °C and the coldest night –3 °C. What is the difference?

Answer: _____

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I got _____ out of 15 ★ ★ ★

Memo · Time zones and temperature

1. **27 °C**
From 25 count 2 lines of 1 °C up.

2. **34 °C**
From 30 count 2 lines of 2 °C up.

3. **45 °C**
From 40 count 1 line of 5 °C up.

4. **−6 °C**
From −10 count 4 lines of 1 °C up.

5. **−14 °C**
From −20 count 3 lines of 2 °C up.

6. **0 °C**
Water freezes at 0 °C and boils at 100 °C.

7. **about 37 °C**
Higher than that means a fever.

8. **a) 4 °C**
A fridge keeps food cold, just above freezing.

9. **15 °C**
4 up to 0, plus 11 = 15

10. **8 °C**
5 up to 0, plus 3 = 8

11. **−7; −1; 0; 2; 5**
The further below 0, the colder.

12. **15:30**
Ahead of us = later: 09:30 + 6 hours = 15:30

13. **12:00**
Behind us = earlier: 14:00 − 2 hours = 12:00

14. **12:00**
Tokyo is 7 hours later, so subtract 7 hours: 19:00 − 7 = 12:00

15. **44 °C**
3 up to 0, plus 41 = 44

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