

Celsius Temperature Word Problems #1

NAME: _____

1. At noon yesterday it was 24°C . At noon today it was 32°C . By how many degrees Celsius has the temperature increased? _____

2. This morning, it was 23°C in the desert. The temperature went up 9 degrees that afternoon. What was the afternoon temperature? _____

3. The school's thermostat was set to 22°C . The teacher wanted to set the temperature to 19°C . How many degrees cooler does the teacher want it to be? _____

4. Today, the temperature at the mountain pass is -23°C and the temperature in the valley is 1°C . How many degrees warmer is it in the valley? _____

5. Yesterday it was 31°C in Honolulu; it was 40 degrees cooler in Juneau. What was the temperature in Juneau? _____

Celsius Temperature Word Problems #1 Worksheet Answers

1. At noon yesterday it was 24°C . At noon today it was 32°C . By how many degrees Celsius has the temperature increased? 8°C

$$32^{\circ}\text{C} - 24^{\circ}\text{C} = 8^{\circ}\text{C}$$

2. This morning, it was 23°C in the desert. The temperature went up 9 degrees that afternoon. What was the afternoon temperature? 32°C

$$23^{\circ}\text{C} + 9^{\circ}\text{C} = 32^{\circ}\text{C}$$

3. The school's thermostat was set to 22°C . The teacher wanted to set the temperature to 19°C . How many degrees cooler does the teacher want it to be? 3°C

$$22^{\circ}\text{C} - 19^{\circ}\text{C} = 3^{\circ}\text{C}$$

4. Today, the temperature at the mountain pass is -23°C and the temperature in the valley is 1°C . How many degrees warmer is it in the valley? 24°C

$$1^{\circ}\text{C} - (-23^{\circ}\text{C}) = 1^{\circ}\text{C} + 23^{\circ}\text{C} = 24^{\circ}\text{C}$$

5. Yesterday it was 31°C in Honolulu; it was 40 degrees cooler in Juneau. What was the temperature in Juneau? 62°C

$$31^{\circ}\text{C} - 40^{\circ}\text{C} = -9^{\circ}\text{C}$$