



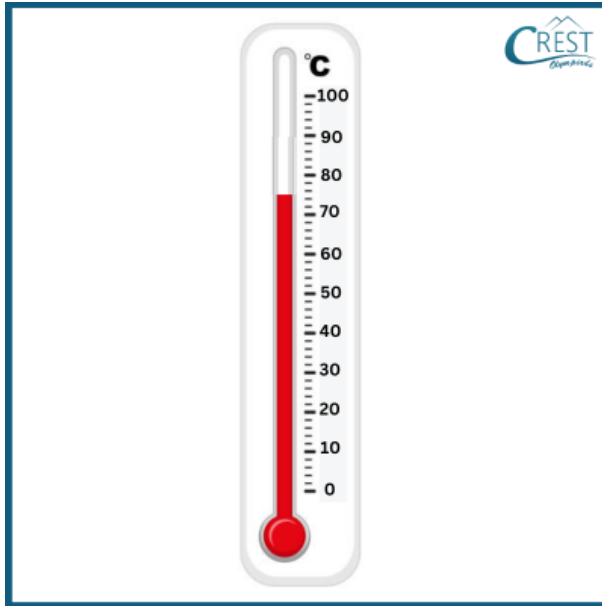
CREST Mathematics Olympiad (CMO) Worksheet *for* Class 3



Topic
Temperature

Worksheet on Temperature

1. What is the temperature shown on the thermometer in °F?

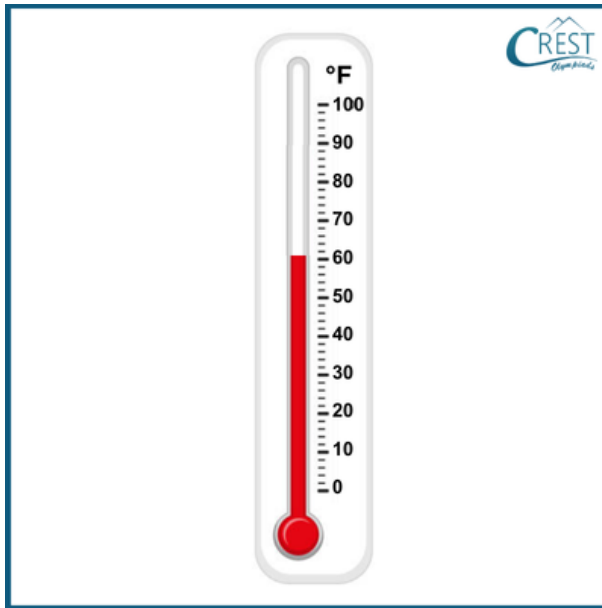


- a. 70 °F
b. 72 °F
c. 74 °F
d. 78 °F
2. What is the sum of temperatures in the afternoon and at night if the temperature in the afternoon is 48°C and the temperature at night is 27°C?



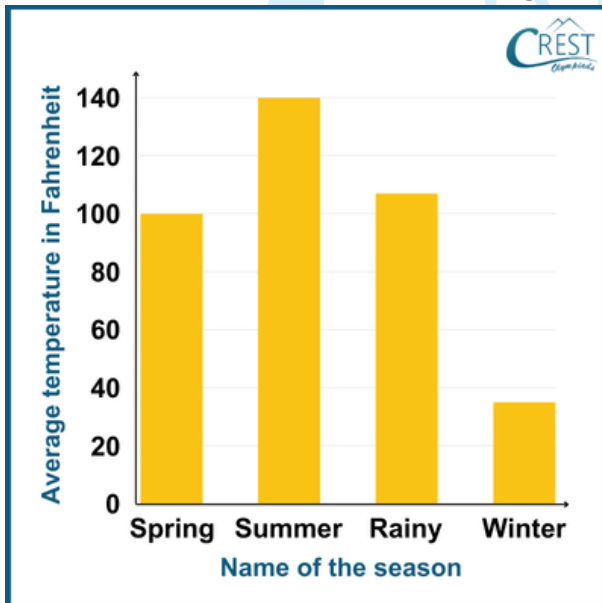
- a. 65°C
b. 75°C
c. 95°C
d. 105°C

3. The level of mercury is used to indicate the temperature in degrees Celsius ($^{\circ}\text{C}$). What is the difference between the marked temperature on a thermometer and the boiling point of water in Celsius?



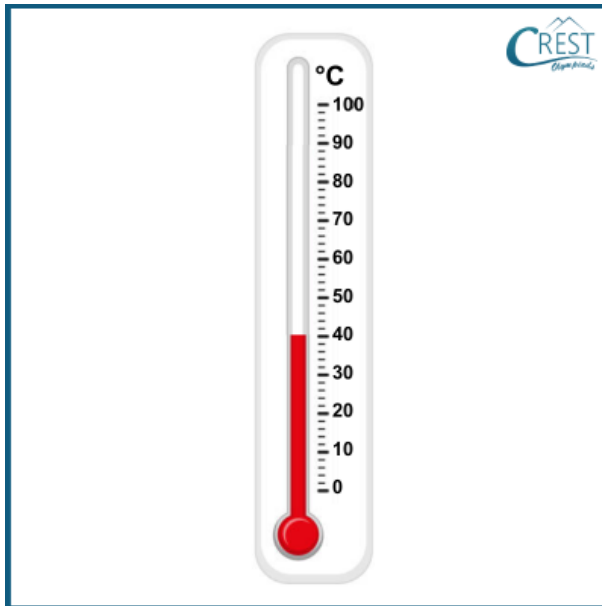
- a. 40°C
- b. 60°C
- c. 80°C
- d. 100°C

4. What is the difference between average temperatures in winter and summer?



- a. 75°C
- b. 75°F
- c. 105°C
- d. 105°F

5. The thermometer is giving you an incorrect temperature reading. It is showing you a temperature that is 13°C higher than the correct temperature. What is the correct temperature?



- a. 53°C
- b. 47°C
- c. 37°C
- d. 27°C

Answer Key

1. c - 74 °F

Explanation: The marking is above 70 °F.

1 marking indicates 2 °F.

So, there are 2 markings above 70°F which is 4 °F.

Hence, temperature on the thermometer = 70°F + 4 °F
= 74 °F

2. b - 75°C

Explanation: The sum of temperature in the afternoon and at night = 48°C + 27°C
= 75°C

3. a - 40°C

Explanation: Marked temperature on a thermometer = 60°C

Temperature at which water boils = 100°C

Difference between the marked temperature on a thermometer and the boiling point of water in Celsius = 100°C – 60°C = 40°C

4. d - 105°F

Explanation: Temperatures in winter = 35°F

Temperatures in summer = 140°F

Difference between temperatures in winter and summer = $140^{\circ}\text{F} - 35^{\circ}\text{F}$
= 105°F

5. d - 27°C

Explanation: Incorrect temperature reading = 40°C

The incorrect temperature is 13°C higher than the correct temperature.

Thus, the correct temperature is 13°C lower than the incorrect temperature.

Correct temperature reading = $40^{\circ}\text{C} - 13^{\circ}\text{C}$
= 27°C

More Questions Coming Soon – Keep Learning!



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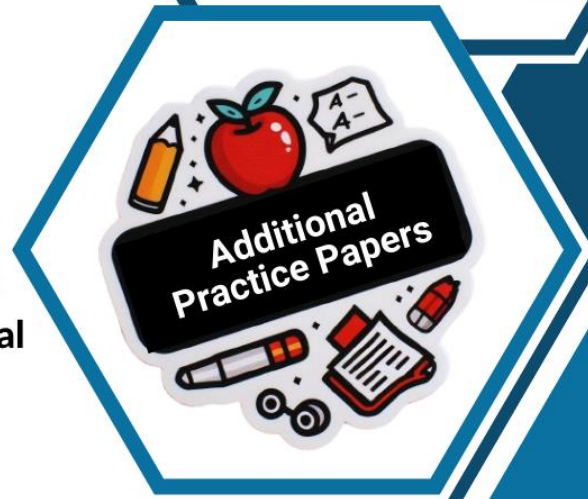
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