

**ACTIVITY** Concentrating on the Temperature

**Objective:** Match temperatures in degrees Celsius and degrees Fahrenheit with everyday situations.

**Materials:** Concentrating on the Temperature - Information Sheet: Rules for the Game  
One set of 12 Concentrating on the Temperature - The Celsius Scale cards per group  
One set of 12 Concentrating on the Temperature - The Fahrenheit Scale cards per group

**Procedures:**

1. Pass out to each participant a "Concentrating on the Temperature" information sheet. In addition each group should have an envelope containing a set of "Concentrating on the Temperature" cards.
2. Explain the rules of the game as stated on the information sheet.
3. Allow participants to play the game for a few minutes.

**Notes:**

1. If you are running short on time this activity can be introduced and explained without actual play beginning.
2. Teachers who utilize centers may want to include this activity in their center activities rather than as a class activity.

# CONCENTRATING ON THE TEMPERATURE

## Information Sheet: Rules for the Game

Obtain an envelope containing a set of "Concentrating on the Temperature" Cards. Some envelopes contain cards having degrees Celsius or matching situations from everyday life on them; other envelopes contain cards having degrees Fahrenheit or matching situations from everyday life on them. The object of the game is to be the participant who matches the most temperatures with their corresponding situations. Below are the rules you need to follow as you play "Concentrating on the Temperature".

1. Shuffle the cards and place them face down on the table (Lay them out like a game of concentration).
2. Select a participant to go first. This player turns over any two cards trying to form a correct match.
3. If a correct match is formed, the player keeps these two cards and attempts to make another match by turning over two more cards.
4. If a match isn't formed, both cards are turned back down and the next player turns over two cards.
5. Play continues in this manner until all cards have been matched.
6. When all matches have been made, the player with the most cards is the winner.

For reference, the correct matches for each set of cards are listed below. Use this information only when necessary.

### THE CELSIUS SCALE

On a very cold day, it may be this temperature	-15° C
Water freezes at this temperature	0° C
In a comfortable room, it may be this temperature	20° C
A person's normal body temperature is this temperature	37° C
Water boils at this temperature	100° C
Cakes are frequently baked at this temperature.	175° C

### THE FAHRENHEIT SCALE

On a very cold day, it may be this temperature	5° F
Water freezes at this temperature	32° F
In a comfortable room, it may be this temperature	70° F
A person's normal body temperature is this temperature	98.6° F
Water boils at this temperature	212° F
Cakes are frequently baked at this temperature	350° F

CONCENTRATING ON THE TEMPERATURE  
THE CELSIUS SCALE

<b>Water Freezes At This Temperature</b>	<b>0° C</b>	<b>Water Boils At This Temperature</b>	<b>100° C</b>
<b>A Person's Normal Body Temperature is This Temperature</b>	<b>37° C</b>	<b>In A Comfortable Room, It May be This Temperature</b>	<b>20° C</b>
<b>On a Very Cold Day, It May be This Temperature</b>	<b>- 15° C</b>	<b>Cakes are Frequently Baked at This Temperature</b>	<b>175° C</b>

**CONCENTRATING ON THE TEMPERATURE  
THE FAHRENHEIT SCALE**

<b>Water Freezes At This Temperature</b>	<b>32° F</b>	<b>Water Boils At This Temperature</b>	<b>212° F</b>
<b>A Person's Normal Body Temperature is This Temperature</b>	<b>98.6° F</b>	<b>In A Comfortable Room, It May be This Temperature</b>	<b>70° F</b>
<b>On a Very Cold Day, It May be This Temperature</b>	<b>5° F</b>	<b>Cakes are Frequently Baked at This Temperature</b>	<b>350° F</b>