### Temperature Conversion Table

<table>
<thead>
<tr>
<th>From</th>
<th>To Fahrenheit</th>
<th>To Celsius</th>
<th>To Kelvin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fahrenheit (F)</td>
<td>F</td>
<td>(F - 32) * 5/9</td>
<td>(F - 32) * 5/9 + 273.15</td>
</tr>
<tr>
<td>Celsius (°C or °)</td>
<td>(C * 9/5) + 32</td>
<td>C</td>
<td>C + 273.15</td>
</tr>
<tr>
<td>Kelvin (K)</td>
<td>(K - 273.15) * 9/5 + 32</td>
<td>K - 273.15</td>
<td>K</td>
</tr>
</tbody>
</table>

#### Metric system handout
Name: ___________________
Period: ____

![Temperature Scales](image)
This page is designed to help students practice written problems, and is meant to be printed out. Hit the print command and show all work in the spaces provided. Use the 5-step method, and be sure to round your answers correctly and include units where appropriate.

<table>
<thead>
<tr>
<th>K = C + 273</th>
<th>C = (F - 32) x 5/9</th>
</tr>
</thead>
<tbody>
<tr>
<td>C = K - 273</td>
<td>F = (C x 9/5) + 32</td>
</tr>
</tbody>
</table>

Use the above formulas above to convert the following:

1) 250 Kelvin to Celsius
2) 339 Kelvin to Celsius
3) 17 Celsius to Kelvin

4) 55 Celsius to Kelvin
5) 89.5 Fahrenheit to Celsius
6) 383 Kelvin to Fahrenheit
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Use the above formulas above to convert the following:

1) Convert -200 Celsius to Kelvin

2) Convert 355 Kelvin to Celsius

3) Convert 230 Celsius to Fahrenheit

4) Convert 60 Fahrenheit to Kelvin

5) Convert 100 Fahrenheit to Celsius

6) Convert 150 Celsius to Fahrenheit
Temperature Worksheet 2

1. Which thermometer, A or B, is labelled at 2° intervals?

2. Which thermometer, A or B, is showing the higher temperature?

3. Which thermometer, C or D, is showing the lower temperature?

4. Diagram F is showing a higher temperature than diagram E. True or false?

Now check your answers with those on the answer sheet. How did you do?
Temperature  Worksheet 6

Use the conversion table below for these questions:

<table>
<thead>
<tr>
<th>°C</th>
<th>°F</th>
</tr>
</thead>
<tbody>
<tr>
<td>-10</td>
<td>14</td>
</tr>
<tr>
<td>-5</td>
<td>23</td>
</tr>
<tr>
<td>0</td>
<td>32</td>
</tr>
<tr>
<td>10</td>
<td>50</td>
</tr>
<tr>
<td>20</td>
<td>68</td>
</tr>
<tr>
<td>30</td>
<td>86</td>
</tr>
<tr>
<td>40</td>
<td>104</td>
</tr>
</tbody>
</table>

1. Which is warmer 30°C or 30°F?

2. What is 25°C in Fahrenheit? Is it about 5°F or about 80°F?

3. Which is colder 10°F or 10°C?

4. Dave is looking at holiday brochures. He wants a comfortable temperature and knows that this is about 20°C. He should choose a place where the temperature is about 70°F. True or false?

5. Ivan is used to temperatures of about 60°F at home. This is about 15°C. True or false?

6. Tom says that 30°C is about 90°F and Zita says it is about 0°F. Who is correct?

7. Jed was told to put some containers in one of the cold stores at work. The labels read 'Store below -5°C'. There are two store rooms. One is kept at 15°F and one at 25°F. Which one should he choose?

8. Sue’s houseplant needs to be kept at a temperature above 50°F. Her room is at 15°C. Is this warm enough?

Now check your answers with those on the answer sheet. How did you do?
Temperature Worksheet 4

Read the thermometers to answer these questions.

1. This reading should be given as a) 10°C  b) 5°C  c) 2°C

![Thermometer 1](image1)

2. The temperature of this thermometer is -7°C. True or false?

![Thermometer 2](image2)

3. This reading should be given as a) 6°C  b) 7°C

![Thermometer 3](image3)

4. This reading should be given as a) -4°C  or  b) -2°C?

![Thermometer 4](image4)

Now check your answers with those on the answer sheet. How did you do?