

## Practical Negative Numbers

<p>The average January temperatures in °C of some cities across the world are shown below.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Seoul</td> <td style="width: 50%; text-align: center;">-2</td> </tr> <tr> <td style="text-align: center;">Tokyo</td> <td style="text-align: center;">+5</td> </tr> <tr> <td style="text-align: center;">New York</td> <td style="text-align: center;">+1</td> </tr> <tr> <td style="text-align: center;">Edinburgh</td> <td style="text-align: center;">+4</td> </tr> <tr> <td style="text-align: center;">Toronto</td> <td style="text-align: center;">-4</td> </tr> <tr> <td style="text-align: center;">Moscow</td> <td style="text-align: center;">-16</td> </tr> </table>	Seoul	-2	Tokyo	+5	New York	+1	Edinburgh	+4	Toronto	-4	Moscow	-16	<p><b>(a)</b></p> <p>Which city has the lowest average January temperature?</p> <p style="text-align: center;"><i>Moscow</i></p>	<p><b>(b)</b></p> <p>Which city's temperature is closest to <math>-8^{\circ}\text{C}</math>?</p> <p style="text-align: center;"><i>Toronto</i></p>	<p><b>(c)</b></p> <p>What is the difference between the temperature in Moscow and the temperature in Tokyo?</p> <p style="text-align: center;"><i>21°C</i></p>
	Seoul	-2													
	Tokyo	+5													
	New York	+1													
Edinburgh	+4														
Toronto	-4														
Moscow	-16														
	<p><b>(d)</b></p> <p>What temperature is halfway between the temperature in Seoul and the temperature in Edinburgh?</p> <p style="text-align: center;"><i>+1°C</i></p>	<p><b>(e)</b></p> <p>Order the cities by their temperature, lowest to highest.</p> <p style="text-align: center;"><i>Moscow, Toronto, Seoul, New York, Edinburgh, Tokyo</i></p>													
<p>The scores of some golfers who played in the British Open golf tournament in 2021 are shown below.</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Tommy Fleetwood</td> <td style="width: 50%; text-align: center;">-2</td> </tr> <tr> <td style="text-align: center;">Jordan Speith</td> <td style="text-align: center;">-13</td> </tr> <tr> <td style="text-align: center;">Sergio Garcia</td> <td style="text-align: center;">-4</td> </tr> <tr> <td style="text-align: center;">Ryan Fox</td> <td style="text-align: center;">+6</td> </tr> <tr> <td style="text-align: center;">Collin Morikawa</td> <td style="text-align: center;">-15</td> </tr> <tr> <td style="text-align: center;">Justin Rose</td> <td style="text-align: center;">+3</td> </tr> </table>	Tommy Fleetwood	-2	Jordan Speith	-13	Sergio Garcia	-4	Ryan Fox	+6	Collin Morikawa	-15	Justin Rose	+3	<p><b>(f)</b></p> <p>Which player scored the lowest (best) score?</p> <p style="text-align: center;"><i>Collin Morikawa</i></p>	<p><b>(g)</b></p> <p>Which player's score was closest to zero?</p> <p style="text-align: center;"><i>Tommy Fleetwood</i></p>	<p><b>(h)</b></p> <p>What is the difference between the scores of Sergio Garcia and Justin Rose?</p> <p style="text-align: center;"><i>7°C</i></p>
	Tommy Fleetwood	-2													
	Jordan Speith	-13													
	Sergio Garcia	-4													
Ryan Fox	+6														
Collin Morikawa	-15														
Justin Rose	+3														
	<p><b>(i)</b></p> <p>What score would be halfway between Tommy Fleetwood and Justin Rose's scores?</p> <p style="text-align: center;"><i>+0.5</i></p>	<p><b>(j)</b></p> <p>Order the players by their scores, lowest (best) to highest (worst).</p> <p style="text-align: center;"><i>Collin Morikawa, Jordan Speith, Sergio Garcia, Tommy Fleetwood, Justin Rose, Ryan Fox</i></p>													