
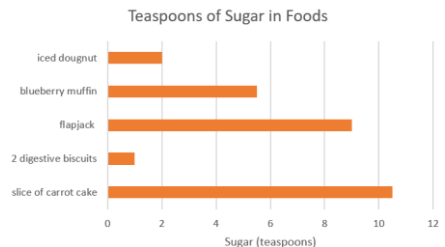



## Functional Skills Maths | Lesson Starter Quiz for Applied Science Learners

<p>1. Sunnil is carrying out an experiment in the lab.</p> <ul style="list-style-type: none"> <li>Set up the lab – <math>\frac{3}{4}</math> hour</li> <li>Carry out the experiment – 1 hour 20 minutes</li> <li>Clean up the lab – 30 minutes</li> </ul> <p>How long will it take him to do these jobs?</p> <p style="text-align: right;">(1)</p>	<p>2. Pierre has kept a record of the weather on recent days.</p> <p>These are his results after 20 days.</p> <ul style="list-style-type: none"> <li>Sunny 15 days</li> <li>Wet 5 days</li> </ul> <p>Mark with a cross (X) the probability the day is sunny on the scale.</p>  <p style="text-align: right;">(1)</p>	<p>3. You have carried out research on the amount of sugar in certain food.</p>  <p>Using the bar chart how much sugar would there be in total in a slice of carrot cake and a flapjack?</p> <p style="text-align: right;">(1)</p>
<p>4. Nelly is making soap. The recipes uses 5oz of lye water.</p> <p style="text-align: center;"><math>1\text{oz} = 28\text{g}</math></p> <p>How many grams of lye water does Nelly need?</p> <p style="text-align: right;">(1)</p>	<p>5. Amy is working out the boiling point of ethanol. She knows it boils at <math>78^{\circ}\text{C}</math>.</p>  <p>Work out the temperature in Fahrenheit.</p> <p style="text-align: right;">(1)</p>	<p>6. Riley has measured the sound levels of various items in their home in decibels.</p> <ul style="list-style-type: none"> <li>Dishwasher – 55</li> <li>Vacuum – 65</li> <li>Hair Dryer – 90</li> <li>Refrigerator – 50</li> <li>Washing Machine – 55</li> </ul> <p>What is the mean sound level?</p> <p style="text-align: right;">(1)</p>
<p>7. You have a recipe for making a set amount of soap.</p> <p>You need to amend the recipe for a different amount of soap.</p> <p>How would you do this?</p> <p style="text-align: right;">(1)</p>	<p>8. Your college is buying pH testing strips. A pack costs £2.75 plus VAT.</p> <p>VAT is 20%</p> <p>How much would it cost to buy 5 packs?</p> <p style="text-align: right;">(1)</p>	<p>9. Use a reverse calculation to check your answer to question 6.</p> <p style="text-align: right;">(1)</p>

Total Marks: \_\_\_\_\_ / 9