
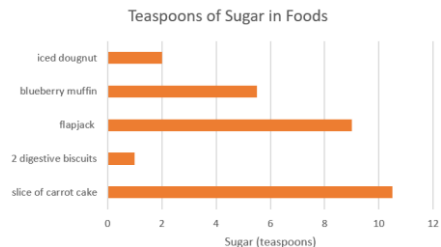



Functional Skills Maths | Lesson Starter Quiz for Applied Science Learners

<p>1. Sunnil is carrying out an experiment in the lab.</p> <ul style="list-style-type: none"> Set up the lab – $\frac{3}{4}$ hour Carry out the experiment – 1 hour 20 minutes Clean up the lab – 30 minutes <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"> Sunny 15 days Wet 5 days <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;">1oz =28g</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 78°C.</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"> Dishwasher – 55 Vacuum – 65 Hair Dryer – 90 Refrigerator – 50 Washing Machine – 55 <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