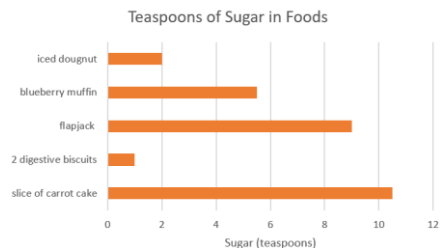
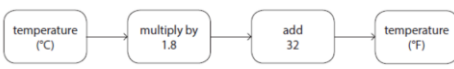


Functional Skills Maths | Lesson Starter Quiz for Applied Science Learners

1. Sunnil is carrying out an experiment in the lab. - Set up the lab – $\frac{3}{4}$ hour - Carry out the experiment – 1 hour 20 minutes - Clean up the lab – 30 minutes How long will it take him to do these jobs? (1)	2. Pierre has kept a record of the weather on recent days. These are his results after 20 days. - Sunny 15 days - Wet 5 days Mark with a cross (X) the probability the day is sunny on the scale.  (1)	3. You have carried out research on the amount of sugar in certain food.  Using the bar chart how much sugar would there be in total in a slice of carrot cake and a flapjack? (1)
4. Nelly is making soap. The recipes uses 5oz of lye water. 1oz = 28g How many grams of lye water does Nelly need? (1)	5. Amy is working out the boiling point of ethanol. She knows it boils at 78°C.  Work out the temperature in Fahrenheit. (1)	6. Riley has measured the sound levels of various items in their home in decibels. - Dishwasher – 55 - Vacuum – 65 - Hair Dryer – 90 - Refrigerator – 50 - Washing Machine – 55 What is the mean sound level? (1)
7. You have a recipe for making a set amount of soap. You need to amend the recipe for a different amount of soap. How would you do this? (1)	8. Your college is buying pH testing strips. A pack costs £2.75 plus VAT. VAT is 20% How much would it cost to buy 5 packs? (1)	9. Use a reverse calculation to check your answer to question 6. (1)

Total Marks: _____ / 9