English – Inspirational people	Maths - LI: To calculate the mean average of a data set

Writing: We really hope that you have enjoyed this unit of work on inspirational people and events. Your final task for this half term is to write a letter. You can choose to either write a letter to your future self or write a letter to future generations. Look back over the work you have done and the things you have read - what or who inspired you? Did you read about someone inspirational in history or currently? Did you think there are lots of important messages that should be remembered from The Christmas Truce? Your letter should seek to capture what moral messages you have learnt from this unit and look to inspire your future selves or generations. What would you tell people in the future about friendship? Standing up for your beliefs? Enemies?

Here are some key things to think about:

- Which letter would require more formal language, one to yourself or to future generations?
- Passion is the key. Select your vocabulary carefully and make each sentence count.
- Use some of the people or events you have read about to back up your points.
- The aim is inspiration so make sure you are using different sentence starters and structures to make your letter cohesive – people become passionate when the message is clear and easy to follow!
- How could you use different punctuation to add both cohesion and a sense of humour or rapport? ; - () :

Spelling: Have a go at the punctuation quizzes below. Did you use the punctuation correctly in your own writing?

Reading: Choose from the following reading comprehensions below about inspirational individuals (* = mild, ** = medium and *** = spicy.)

Calculating the mean

Today we are going to be working out how to calculate the mean of a set of numbers. To do this, you find the total of the data set and divide by how many iteams there are. For example:

1.	6, 4, 2

Find the total (6+4+2 = 12)
Divide by how many items there are (3, so 12 ÷ 3 = 4)

2.	8, 7, 9, 8

Find the total (8+7+9 + 8 = 32)
Divide by how many items there are (4, so 32 ÷ 4 = 8)

3.	4, 6, 2, 8, 2

Find the total (4+6+2 + 8 + 2 = 22)
Divide by how many items there are (5, so 22 ÷ 5 = 4.4)

Your turn

4.	2, 3, 4, 8, 2	
5.	8, 1, 3, 4, 1	
6.	2, 15, 13, 13, 12	
7.	14, 13, 10, 2, 10	
8.	12, 9, 13, 15, 6, 16, 17, 8	

2a. Three friends are trying to work out their mean amount of pets. Sally has 7 more pets than Rylan. Rylan has 2 fewer pets than José who has 4.

What is their mean amount of pets?

Challenge

For each set of numbers calculate the value of the missing number using the given mean.

31.	6		10	with a mean of 8
32.	3	9		with a mean of 5
33.		15	7	with a mean of 11
34.	8		14	with a mean of 9
35.	7		16	with a mean of 14

Here, you need to work backwards. You have the mean and the amount of numbers so multiply these together to find your total. Add up the numbers that you have do far and take this away from you total. This will give you your missing number.

Theme – Evolution and Inheritance	

Your final piece of work is to make some very important decisions regarding the evolution of mankind! You have the power to help humans to evolve in 2 different ways. For example, you might decide to give the human race the ability to fly like an eagle; swim like a dolphin or perhaps have a long neck like a giraffe.
You should create a list of advantages and disadvantages for both parts of your human evolution. E.g. having a long neck would be an advantage as humans would no longer struggle to reach the top shelves in supermarkets or to see A disadvantage to having a long neck would be that we would become unbalanced and the likelihood of us falling over is very high.

It might be that your two choices work well together, such as growing the wings of an ostrich and the ability to swim like a dolphin - perfect balance of transport for the skies, sea and land. Think carefully about your decisions!
There is one small catch though - sadly, as a result of your species miraculous evolution, you must choose one of our five senses (taste, touch, sight, hear and smell) to be lost forever! Is it worthwhile losing the ability to see if you have a long neck? Be creative... be careful what you choose…. and make sure to draw your final human being too!

Links to support this learning	Supporting Information for parents
English **Writing** **https://www.hamilton-trust.org.uk/english/content/925-spag-grammar-and-punctuation/** **https://www.twinkl.co.uk/resource/t2-e-3815-y6-formal-and-informal-language-warm-up-powerpoint** **https://www.twinkl.co.uk/resource/t2-e-3816-year-6-using-colons-semi-colons-dashes-to-mark-independent-clauses-warm-up-powerpoint** https://www.twinkl.co.uk/resource/t2-e-2495-year-5-year-6-spag-adverbials-for-cohesion-word-mat **Spelling** https://www.twinkl.co.uk/resource/t2-e-463-using-semicolons-to-demarcate-independent-clauses-spag-punctuation-powerpoint-quiz https://www.twinkl.co.uk/resource/t2-e-454-using-colons-to-demarcate-independent-clauses-spag-punctuation-powerpoint-quiz https://www.twinkl.co.uk/resource/t2-e-459-using-dashes-for-parenthesis-spag-punctuation-powerpoint-quiz https://www.twinkl.co.uk/resource/t2-e-451-using-brackets-for-parenthesis-spag-punctuation-powerpoint-quiz **Reading:** Choose from the following reading comprehensions about inspirational individuals. * = mild, ** = medium and *** = spicy. Stephen Hawking: https://www.twinkl.co.uk/resource/t2-e-41211-uks2-stephen-hawking-differentiated-reading-comprehension-activity Alan Turing: https://www.twinkl.co.uk/resource/t2-e-41205-uks2-great-british-inventors-alan-turing-differentiated-reading-comprehension-activity Martin Luther King: https://www.twinkl.co.uk/resource/t2-e-5089-uks2-martin-luther-king-differentiated-reading-comprehension-activity Inspiration Female Athletes: https://www.twinkl.co.uk/resource/uks2-inspirational-british-female-athletes-differentiated-reading-comprehension-activity-t-e-2548866 Greta Thunberg: https://www.twinkl.co.uk/resource/uks2-greta-thunberg-differentiated-reading-comprehension-activity-t-e-1000 Thomas Barnardo: https://www.twinkl.co.uk/resource/t2-e-41600-uks2-thomas-john-barnardo-differentiated-reading-comprehension-activity	**Maths (extra resources):** https://www.twinkl.co.uk/resource/t2-m-2413-year-6-mean-in-maths-differentiated-activity-sheets https://www.twinkl.co.uk/resource/t2-m-2154-year-6-mean-average-maths-mastery-activities-powerpoint https://www.twinkl.co.uk/resource/t3-m-4381-world-cup-averages-activity-sheet https://garyhall.org.uk/maths-objectives/237/calculate-and-interpret-the-mean-as-an-average https://www.bbc.co.uk/bitesize/topics/zm49q6f/articles/z99jpbk https://www.theschoolrun.com/what-is-an-average **Maths (for those wanting a challenge!):** *Six Hundred 11+ Maths Exam Questions.* Just click on the purple 'FREE SAMPLE DOWNLOAD' button and the entire resource will download immediately. https://www.11practicepapers.co.uk/product/over-600-maths-11-exam-questions-for-free