Mathematics Home Learning Plan

Year 7 – Summer 2

Week Commencing 29th June 2020

Topic: Frequency tables with the Range and Mode

All websites can be accessed via PC, laptop, tablet or mobile phone

Hegarty Maths: www.hegartymaths.com

No access? No problem! Find the topic in your textbook, make some notes and answer the questions.

	Activate	Explain	Practice	Reflect	Review
Lesson 1 **Key Learning Point:** • Learn how to work out the range from a frequency table.	Create your own grouped frequency table. Pick a piece of quantitative data (eg: how many pets do they have) and ask 20 different people (friends and family) about their answers. Put the results in a grouped frequency table.	Watch Hegarty Maths video 414. Ensure that you have made clear notes for at least one example from this video in your exercise book. Make sure you are clear about which numbers you need to use to calculate the range.	Complete Hegarty task 414 in your exercise book. You do not need to draw any of the tables into your book. Be careful when identifying your largest and smallest data item.	Mark your quiz with the answers and ensure you score your work with the percentage correct you achieved. Correct any questions you got wrong. Why can you only **estimate** the range from a grouped frequency table?	Complete a MemRi task to test what you have remembered from recent topics you have studied.
Lesson 2 **Key Learning Point:** • Learn how to work out the mode from a frequency table.	*"Peter Piper picked a peck of pickled peppers. A peck of pickled peppers Peter Piper picked. If Peter Piper picked a peck of pickled peppers, where's the peck of pickled peppers Peter Piper picked?"* Find the mean, mode and range of the number of letters in the words. **Bonus**: how quickly can you say the rhyme accurately?	Watch Hegarty Maths video 415. Ensure that you write down the definition of "bimodal", "multimodal", "modal group" and have made clear notes for at least one example from this video in your exercise book. Make sure you are clear about which number is used for your answer.	Complete Hegarty task 415 in your exercise book. You do not need to draw any of the tables into your book. Be careful when identifying your largest and smallest data item.	Mark your quiz with the answers and ensure you score your work with the percentage correct you achieved. Correct any questions you got wrong. What is the difference between a mode and a modal group?	Can you find 5 examples of each type of angle (acute, obtuse, right angle and reflex) in and around your house and garden? Make a sketch or take a picture of each one that you find – who can be the most creative?