<u>**YEAR 7 – MATHS WEEK - 2 (29th March to 2nd April)**</u>

Assessment will be held for all year 7 classes **on 30th Monday.** Topics are

8.2-Writing Ratios

8.3-Sharing in a given ratio

8.4-Proportion

Maximum marks - 10 marks & Time duration - 15 minutes

Source - Google Classroom

Subject	Maths
Class/ Division	**Year 7 A-F**
Week	**2 (29th March to 2nd April)**
Work send to students via	**Group email**
Total number of lessons per week	5
Unit	Unit 10 Sequences
Lesson 1 **Resources**	Chapter 8.6 Using the Unitary Method **Learning objective** - Solve problems involving ratio and proportion using the unitary method. Write ratios in the form 1 : n 1. Power point 2. Text book Pages 192,193 &194 Questions 2,3,5,6,9,10,12,13 3. Worksheet https://corbettmathsprimary.com/2018/07/31/proportion-video/ https://www.youtube.com/watch?v=530WaPcCLqo&feature=youtu.be http://www.mrbartonmaths.com/resources/GCSE%20Revision/GCSE%20Maths%20Takeaway/2.%20Grade%20D/26_best-buys2.pdf http://www.mrbartonmaths.com/resources/GCSE%20Revision/GCSE%20Maths%20Takeaway/2.%20Grade%20D/26.pdf
Lesson 2	Chapter 10.1 Sequences **Learning objective** - Work out the terms of an arithmetic sequence using the term-to-term rule. Work out a given term in a simple arithmetic sequence.

Task & Resource	1.Video & Worksheet 2.Text book Pages 235 & 236 Questions 5,6,7,8,9,10 https://www.activeteachonline.com/product/view/id/323/page/235/mode/spftw?modal=/player/video/id/363138 https://www.khanacademy.org/math/algebra/x2f8bb11595b61c86:sequences/x2f8bb11595b61c86:introduction-to-arithmetic-sequences/e/arithmetic_sequences_1?modal=1 https://corbettmathsprimary.com/2018/07/31/sequences-video/ https://studymaths.co.uk/workout.php?workoutID=112
Lesson3& 4 **Resources**	AssisChapter 10.2 The nth term **Learning objective -** Work out and use expressions for the nth term in an arithmetic sequence **1.** Video & Active Learn Allocation - Unit 8.6, 10.1 2. Text book Pages 237,238 & 239 Questions 4,6,7,10,14,15,16,17 https://www.activeteachonline.com https://www.activeteachonline.com/product/view/id/323/page/237/mode/spftw?modal=/player/video/id/363139 https://studymaths.co.uk/workout.php?workoutID=20 https://www.youtube.com/watch?v=7EmWdysUk0c https://www.bbc.co.uk/bitesize/guides/zy6vcj6/test
Lesson 5 **Task&** **Resources**	Chapter 10.3 Pattern Sequences **Learning objective -** Generate sequences and predict how they will continue. Recognise geometric sequences and work out the term-to-term rule 1. Video & Active Learn Allocation - Unit 10.2,10.3 2. Text book Pages 240 & 241 Questions 3,4,5,6,7,8,9 https://www.activeteachonline.com https://studymaths.co.uk/workout.php?workoutID=32 https://www.activeteachonline.com/product/view/id/323/page/240/mode/spftw?modal=/player/video/id/363140 https://corbettmaths.com/2013/11/13/patterns-and-sequences/ https://corbettmaths.com/wp-content/uploads/2019/03/Sequences-Patterns-pdf.pdfhttps://www.activeteachonline.com/product/view/id/323/page/237/mode/spftw?modal=/player/video/id/363139

Note: **Students to answer all the text book questions in the note book and complete the worksheet**