Year 7 – Maths – Summer 2

Unit 16 - ratio		
No.	**Question**	**Answer**
16.1	How do you represent a ratio?	1. Count how many of each part you're given 2. Write it as a ratio in the order specified.
16.2	What is an equivalent ratio?	Two quantities that have the same proportion between them
16.3	What is a scale factor?	The number that a shape has been enlarged by. This is the constant of proportion between the two shapes
16.4	How do you represent a ratio as a fraction?	1. Add the total number of parts together 2. Each part of the ratio represents the numerator
16.5	How do you divide a quantity into a ratio?	1. Divide the quantity by the total number of parts 2. Multiply by the number of parts in each share of the ratio

Date (week commencing)	Numbers to learn
13/06/22	**16.1- 17.5**
27/06/22	**16.1 – 17.10**
04/07/22	**17.7 – 17.26**
11/07/22	**17.1-17.26**

Unit 17 - percentages		
No.	**Question**	**Answer**
17.1	What is a percentage?	A fraction with a denominator of 100
17.2	What is $\frac{1}{10}$ as a percentage?	10%
17.3	What is $\frac{1}{10}$ as a decimal?	0.1
17.4	What is $\frac{1}{100}$ as a percentage?	1%
17.5	What is $\frac{1}{100}$ as a decimal?	0.01
17.6	What is $\frac{1}{1000}$ as a percentage?	0.1%
17.7	What is $\frac{1}{1000}$ as a decimal?	0.001
17.8	How do you convert from a fraction to a %?	Make an equivalent fraction with a denominator of 100
17.9	How do you find 1% of an amount?	Divide by 100
17.10	How do you find 10% of an amount?	Divide by 10
17.11	How do you find 50% of an amount?	Divide by 2
17.12	How do you find 25% of an amount?	Divide by 4
17.23	How do you express a quantity as a percentage of another?	1. Represent the quantities as a fraction 2. Convert the fraction to decimal
17.24	How do you compare and order FDP?	Convert them all to be written in the same representation.
17.25	How do you increase by a %?	1. Find the percentage 2. Add it on
17.26	How do you decrease by a %?	1. Find the percentage 2. Take it away