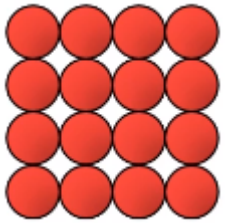
Weekly Maths Planning **Unit: Division** **ButterfliesClass - Year 6** **w/b: 9.11.2020**

	Learning objective	Main teaching	Activity	Resources	Vocabulary
Monday	To use long division	RECAP last Weds-Fri learning. Re-watch videos where necessary	Finish any division worksheets from last week. Roll a dice to find a 4 digit and 2 digit number. Divide the 4 digit by the 2 digit number. If there is a remainder, write r ___. E.G: remainder 2 = r2	Last week's planning	Dividend Divisor Quotient Dividing
Tuesday	To know prime numbers up to 100	Work through video: https://vimeo.com/465049678	Complete worksheet	Worksheet Video link	Prime number Factors
Wednesday	To find common factors and multiples	Work through PP - you may like to watch both the videos below for support if needed.	1) If you have a partner: https://nrich.maths.org/factorsandmultiples 2) Complete worksheet	Hundred square Worksheet Game link	factors multiples prime numbers
Thursday	Squares and Cubes and Order of operations	**Square numbers** = the result of a number multiplied by itself AND has to be a whole number. E.G, 9 (3x3)	Complete worksheet	worksheet video links	square cube multiply indices brackets

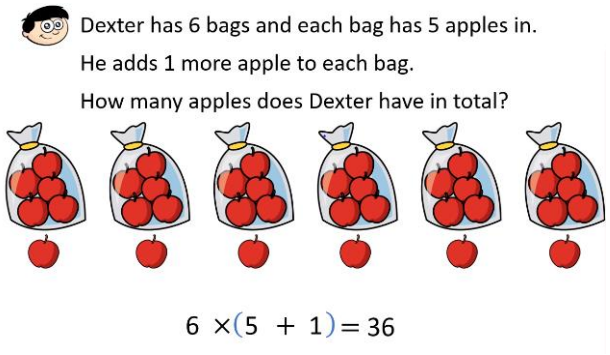
and 16 (4x4). Square numbers can build a complete square:  .

2x2 = 2^2 =4

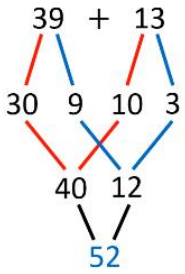
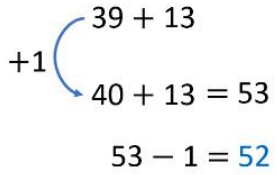
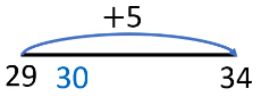
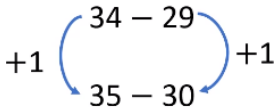
Cubed numbers = a result of a number multiplied by itself and then multiplied by itself again.

2x2x2 = 2^3 =8

Order of operations = In mixed order calculations, calculations are not always carried out from left to right. We complete brackets or indices first, then multiplication/division, then addition/subtraction:



If you would like more support please watch:

		Squared and cubed numbers - https://vimeo.com/465336467 Order of operations - https://vimeo.com/465421787			
Friday	Mental calculations and estimation	Mental calculation: partitioning and adding OR round then add. $39 + 13 = 52$ <u>Strategy 1 –</u> Partitioning and adding  <u>Strategy 2 –</u> Round then add  $34 - 29 = 5$ <u>Strategy 1 –</u> Count on  <u>Strategy 2 –</u> Constant difference  	Complete worksheet	worksheet video link	factors partitioning round difference double halve

		$36 \times 5 = 180$ Strategy 1 – Double and halve 36×5 $\div 2$ ( ) $\times 2$ $18 \times 10 = 180$ Strategy 2 – Factors 36×5 $2 \times 18 \times 5$ $2 \times 5 \times 18$ $10 \times 18 = 180$ For more support watch: https://vimeo.com/465739450			