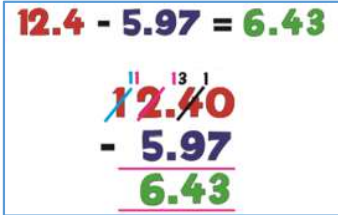
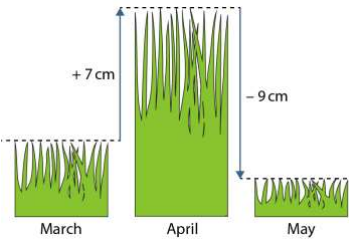
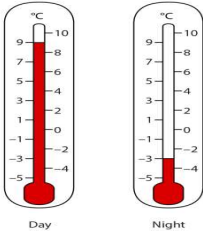
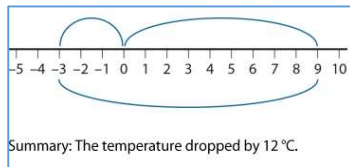


Primary Calculation Policy

Year 5 and Year 6 Subtraction

	Mental Strategies	Concrete	Pictorial	Abstract	Vocabulary	Models, Images and resources
Year 5 And Year 6	Subtract numbers with increasingly large numbers to aid fluency e.g. $12\ 462 - 2\ 300 = 10\ 162$ Use rounding to check answers and determine, levels of accuracy Subtract a pair of two or three-digit multiples of 10, e.g. $80 - 30$, $45 - 36$ and $450 - 360$ Subtract a near multiple of 10 or 100 from any two-digit or three-digit number, e.g. $235 - 199$ Subtract pairs of decimal fractions each with ones and tenths, e.g. $5.7 - 2.5$, $6.3 - 4.8$  See Y3 missing subtrahend and addend problems.	Subtract whole numbers with more than 4 digits and increasingly large numbers using efficient column written methods with decomposition to aid fluency Please see the Year 3 and Year 4 examples as they have the same principles <u>Negative numbers</u> First it was seven Then 9 was cut off Now there 2cm less than the start Use practical apparatus to show change First it was 9 degrees Now it is -3 degrees What was the change?	Subtract whole numbers with more than 4 digits and increasingly large numbers using efficient column written methods with decomposition to aid fluency Please see the Year 3 and Year 4 examples as they have the same principles <u>Negative numbers</u> Negative numbers represent change  The temperature was 9°C in the day, then it dropped to -3°C at night. What was the change in temperature? 	Subtract whole numbers with more than 4 digits and increasingly large numbers using efficient column written methods with decomposition to aid fluency Please see the Year 3 and Year 4 examples as they have the same principles <u>Negative numbers</u> $7 - 9 = -2$ There is a negative difference of 2 The difference between 9 and -3. 	Subtraction Partition into hundreds, tens and ones Empty number line Count on Carry back First Then Now Subtrahend Minuend Difference Find the difference	100 square Number lines Number tracks Bead strings (for children) Bead bar Tens Frame Numicon Place Value Disks Cuisenaire Base hundreds tens and ones Arrow Cards

			Decrease / reduced by Negative change	
	Useful IWB links for manipulatives	https://www.coolmath4kids.com/manipulatives/base-ten-blocks https://mathsbot.com/manipulatives/placeValueCounters https://mathsbot.com/manipulatives/bar https://classroomsecrets.co.uk/free-year-1-part-whole-model-iwb-addition-and-subtraction-activity/ https://www.nctm.org/Classroom-Resources/Illuminations/Interactives/Ten-Frame/ http://www.ictgames.com/mobilePage/tenFrame/index.html		