Subtraction Workshop

Friday 20th November

Year 1 – Identify and represent numbers using objects and pictorial representations including the number line.



- Year 3
- 3 digit numbers



- Year 4
- 4 digit numbers



Year 5

• Recognise the place value of numbers to at least 1,000,000

Millions (M)	Hundred Thousands (HTh)	Ten Thousands (TTh)	Thousands (Th)	Hundred (H)	Tens (T)	Ones (0)
2	2	3	4	3	0	1



- Million
 Hundred Thousands
 Ten Thousands
 Thousands
 Hundreds
 Tens
- 1 One

Year 6

• Recognise the place value of numbers to at least 10,000,000

Billions (B)	Millions (M)	Hundred Thousands (HTh)	Ten Thousands (TTh)	Thousands (Th)	Hundre d (H)	Tens (T)	One s (O)
4	3	6	8	0	9	5	4



- 4 Billions
- 3 Millions
- 6 Hundred Thousands
- 8 Ten Thousands
- 0 Thousands
- 9 Hundreds
- 5 Tens
- 4 Ones

Year 3 - Tenths



Year 4 -Hundredths 1 0.01 100 1 hundredth

Year 5 - Thousand ths



Hundreds (H)	Tens (T)	Ones (0)	•	Tenths (Tth)	Hundredths (Hth)	Thousandths (Thth)
6	4	9	•	1	7	8







Subtraction





National Curriculum

- Represent and use number bonds and related subtraction facts within 20.
- Subtract one-digit and two-digit numbers to 20, including.
- Read, write and interpret mathematical statements involving subtraction.

Calculations

- Through practical and meaningful contexts and informal written methods.
- Link practical methods to the vertical number line.
- Find the difference within 20.
- Represent and use number bonds within 20.
- Record using and =.
- Count back on a 100 square and a vertical number line.



National Curriculum

- Rec all and use subtraction facts to 20 fluently, and derive and use related number facts to 100.
- Subtract numbers using concrete objects, pictorial representations, and mentally, including:
 - a two digit number and ones
 - a two digit number and tens
 - two two digit numbers
 - adding three one-digit numbers
- Understand that subtraction cannot be done in any order.

Year 2

Calculations

- Counting back by partitioning the second number. Subtract the ones first to be in line with columnar subtraction.
- Find the difference by counting up (only when the difference is small).
- Progress to the partitioned columnar method in preparation for year



 Find the difference by counting up (only w 23 - 18 = 5



National Curriculum

- Subtract numbers mentally, including:
 - a three-digit numbers and ones
 - a three-digit number and tens
 - a three-digit number and hundreds
- Subtract numbers with up to three digits, using formal written methods of columnar subtraction.



Written Method

- Continue with vertical line subtraction.
- Progress to the expanded columnar subtraction method.
- Introduce exchanging through the expanded columnar subtraction method.
- Progress on to compact columnar subtraction.

			72 - 47	$-\frac{40+7}{40+7}$	
89-35 = 54	80+9 - <u>30+5</u>		111	<u>20+5</u> =	25
	<u>50 ₊ 4</u> = 54	TO 47	HTO 864	T O ⁴ 5 ¹ 1	
		24	243	<u>-36</u> <u>15</u>	

Year 4

National Curriculum

• Subtract numbers with up to 4 digits using the formal written method of columnar subtraction.

Year 4

Written Method

- Continue with partitioned columnar subtraction.
- Progress to compact columnar subtraction.



National Curriculum

- Mentally subtract numbers with increasingly large numbers.
- Subtract whole numbers with more than 4 digits, including formal written methods (columnar subtraction)



Written Method

- Continue with compact columnar subtraction.
- Use columnar method to subtract decimals.





Year 6

National Curriculum

• Perform mental calculations, including mixed

operations and large numbers.

 Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

Year 6

Written Method

- Continue with compact columnar subtraction.
- Use columnar method to subtract decimals.



1/10/5·3/4/1 9 kg 36·080 kg 69.33