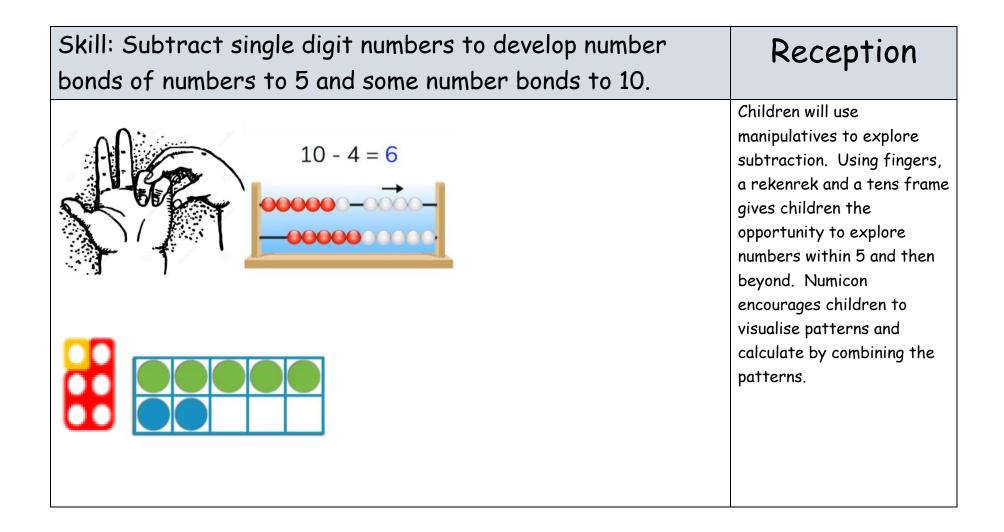
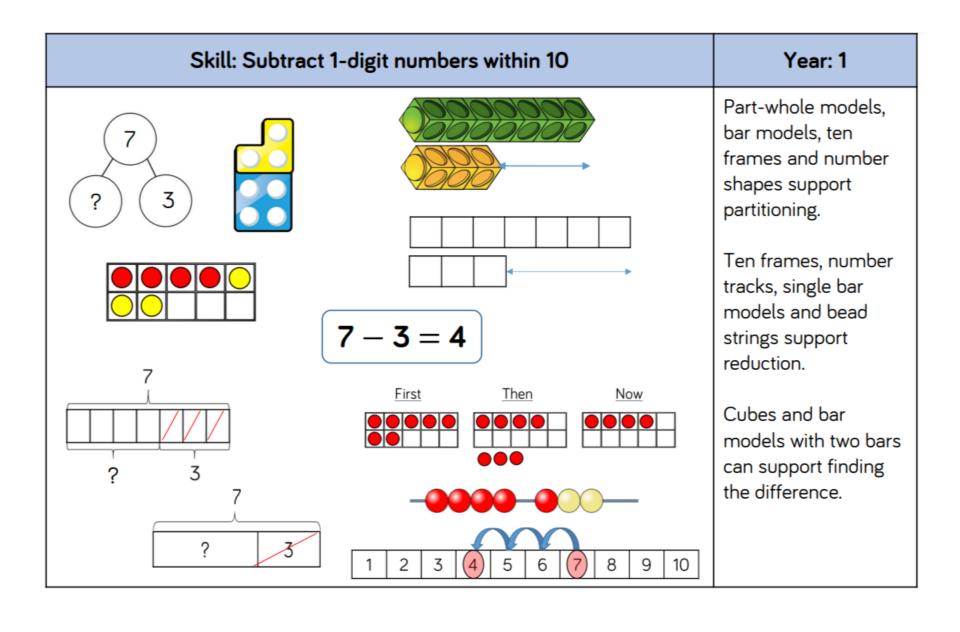
Subtraction

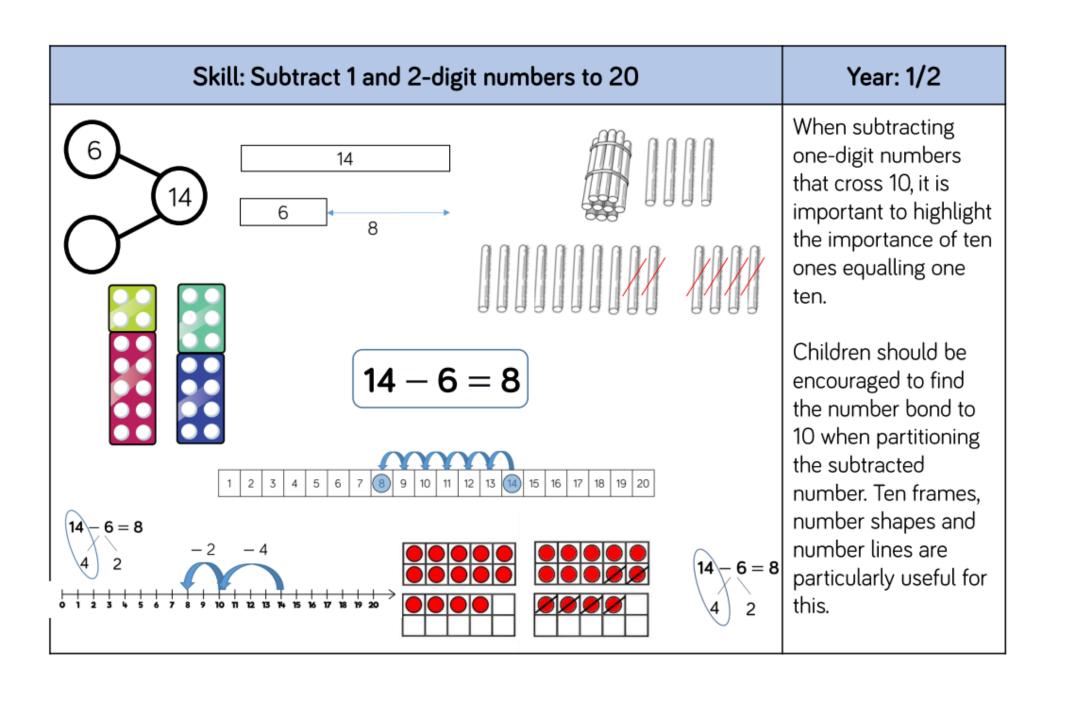
Skill	Year	Representations and Models
Subtract single digit numbers to develop number bonds of numbers to 5 and some number bonds to 10.	Reception	Rekenrek, Fingers, Tens Frame(Within 10) Numicon

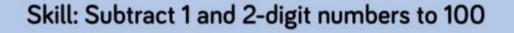
Skill	Year	Representations and models	
Subtract two 1-digit numbers to 10	1	Part-whole model Bar model Number shapes	Ten frames (within 10) Bead strings (10) Number tracks
Subtract 1 and 2-digit numbers to 20	1	Part-whole model Bar model Number shapes Ten frames (within 20)	Bead string (20) Number tracks Number lines (labelled) Straws
Subtract 1 and 2-digit numbers to 100	2	Part-whole model Bar model Number lines (labelled)	Number lines (blank) Straws Hundred square
Subtract two 2-digit numbers	2	Part-whole model Bar model Number lines (blank) Straws	Base 10 Place value counters Column subtraction

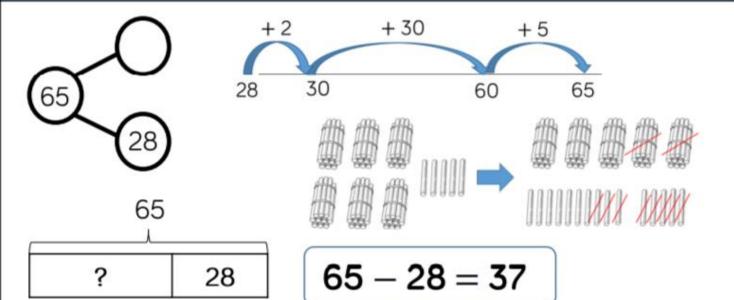
Skill	Year	Representations and models	
Subtract with up to 3- digits	3	Part-whole model Bar model	Base 10 Place value counters Column subtraction
Subtract with up to 4- digits	4	Part-whole model Bar model	Base 10 Place value counters Column subtraction
Subtract with more than 4 digits	5	Part-whole model Bar model	Place value counters Column subtraction
Subtract with up to 3 decimal places	5	Part-whole model Bar model	Place value counters Column subtraction



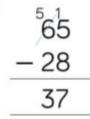








Tens	Ones	
111/1/	> 1/1/	
	21117	



Tens	Ones
000	00000
Ø Ø Ø	
,	ØØØØØ

Year: 2

At this stage, encourage children to use the formal column method when calculating alongside straws, base 10 or place value counters. As numbers become larger, straws become less efficient.

Children can also use a blank number line to count on to find the difference. Encourage them to jump to multiples of 10 to become more efficient.

Skill: Subtract numbers with up to 3 digits



$$435 - 273 = 262$$

Hundreds	Tens	Ones	³ ,1 435
		.111	- 273
	> IN		262

435

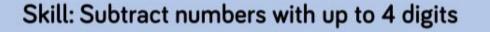
Hundreds	Tens	Ones
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		Ø
<i>\</i>	$\bigcirc\bigcirc\bigcirc\bigcirc$	
	ØØØØØ	

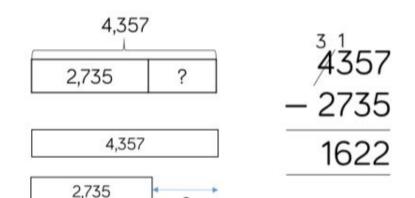
Base 10 and place value counters are the most effective manipulative when subtracting numbers with up to 3 digits.

Year: 3

Ensure children write out their calculation alongside any concrete resources so they can see the links to the written column method.

Plain counters on a place value grid can also be used to support learning.





$$4,357 - 2,735 = 1,622$$

Thousands	Hundreds	Tens	Ones
		Hłłł	***

4,357

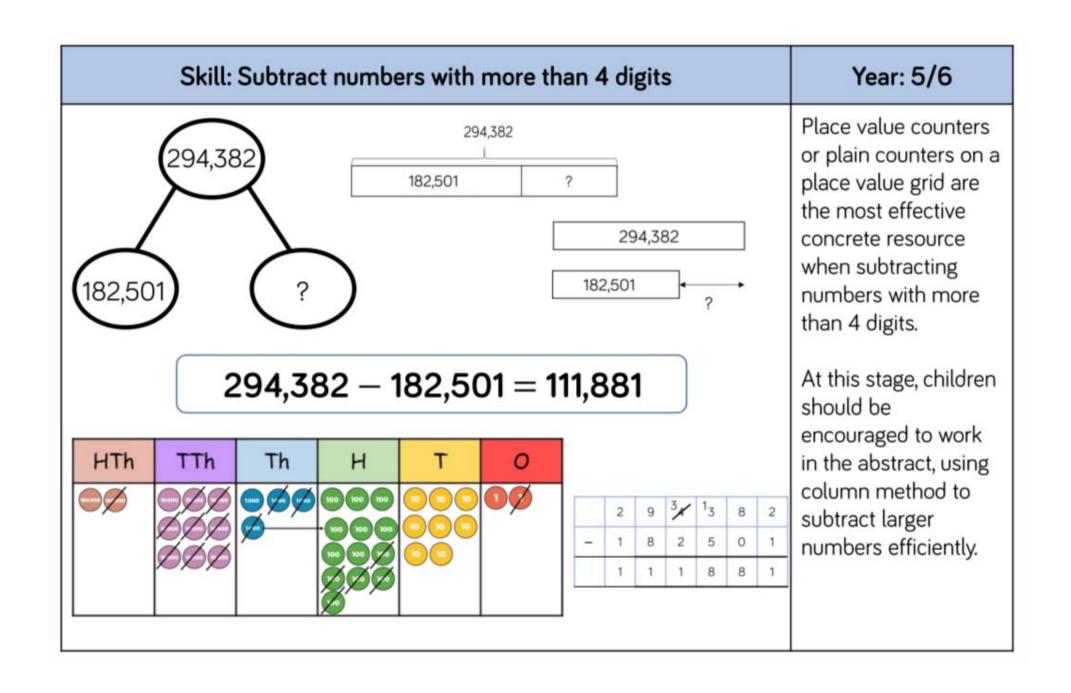
Thousands	Hundreds	Tens	Ones
	000 0000 0000	00 Ø Ø Ø	

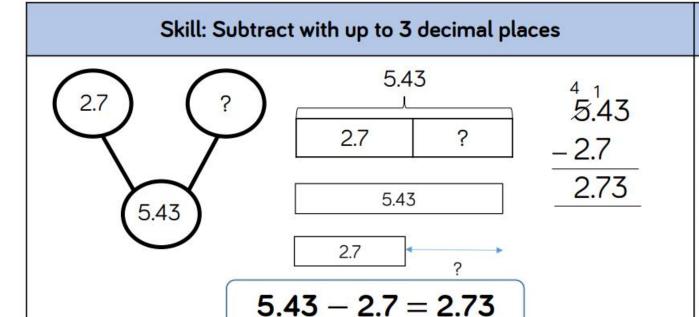
Year: 4

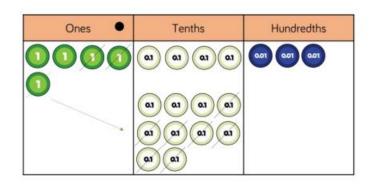
Base 10 and place value counters are the most effective manipulatives when subtracting numbers with up to 4 digits.

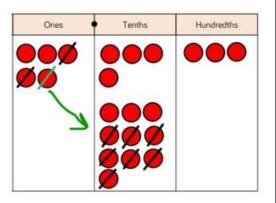
Ensure children write out their calculation alongside any concrete resources so they can see the links to the written column method.

Plain counters on a place value grid can also be used to support learning.









Place value counters and plain counters on a place value grid are the most effective manipulative when subtracting decimals with 1, 2 and then 3 decimal places.

Year: 5/6

Ensure children have experience of subtracting decimals with a variety of decimal places. This includes putting this into context when subtracting money and other measures.