Hollinswood Primary School & Nursery

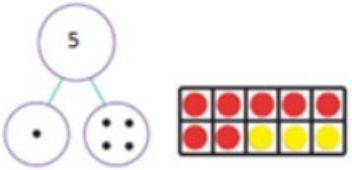
Calculation Policy

April 2024

Calculation cycle - Addition

EYFS

Composition of numbers within 10 and bonds to 10 using concrete resources.

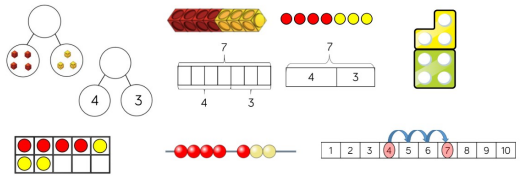


1 more than __ is __

Addition stories—first, then now.

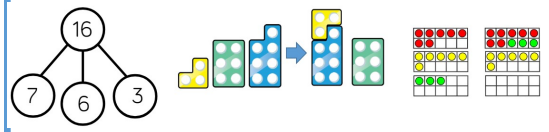
Year 1

Add 1-digit numbers within 10

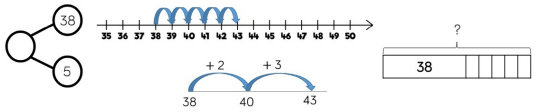


Year 2

Add 3 1-digit numbers

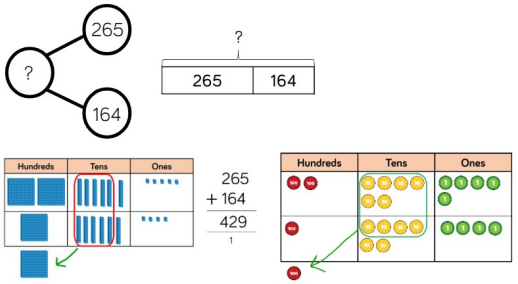


Add 1-digit and 2-digit numbers to 100



Year 3

Add numbers with up to 3 digits.



Year 6

Columnar addition - add integers with any number of digits.

1	0	4	3	2	8
+	6	1	7	3	1
1	6	6	0	5	9

1

Year 5

Add whole numbers with more than four digits.

		7	4	3	5	
	+	3	5	6	6	
	1	1	0	0	1	
		1	1	1		

Year 4

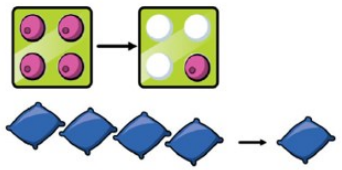
Add two 4-digit numbers—more than one exchange.

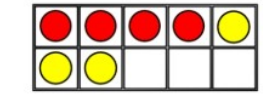
		Th	H	T	O	
		1	9	4	5	
	+	1	2	5	7	
		3	2	0	2	
		1	1	1		

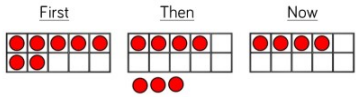
Calculation cycle - Subtraction

EYFS

Physically taking away and removing objects from a whole.

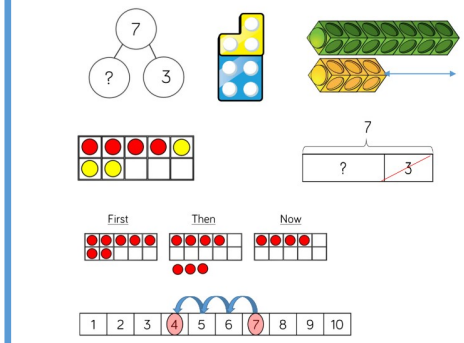






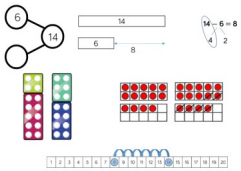
Year 1

Subtract 1-digit numbers within 10

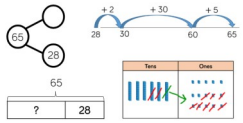


Year 2

Subtract 1 and 2-digit numbers to 20

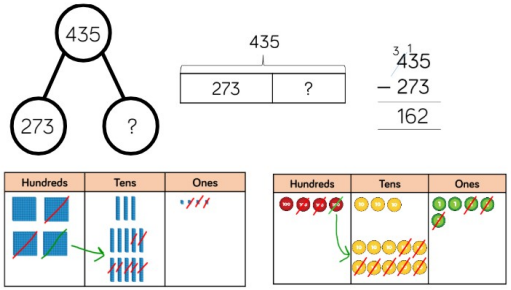


Subtract 1 and 2-digit numbers to 100



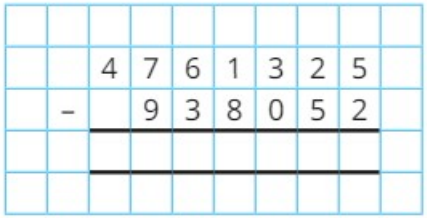
Year 3

Column subtracting with regrouping— up to 3 digits.



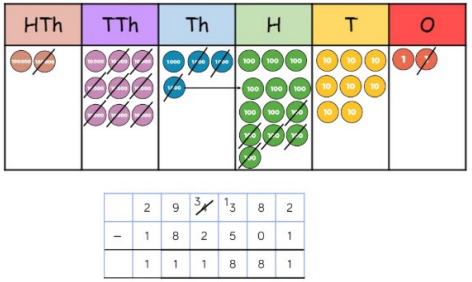
Year 6

Column subtracting with regrouping - using the same and different number of digits.



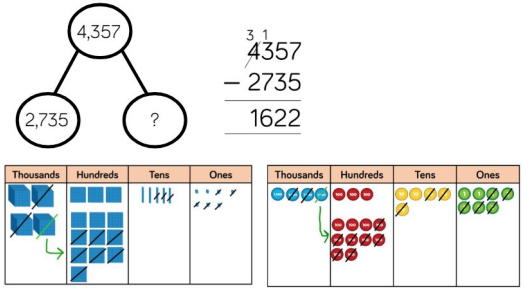
Year 5

Column subtracting with regrouping—more than 4 digits.



Year 4

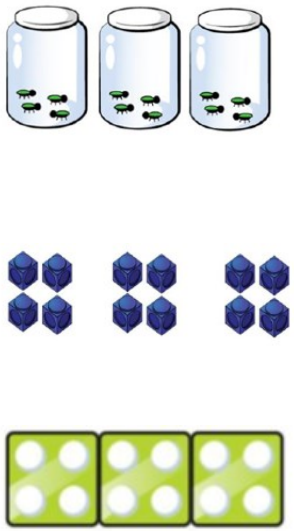
Column subtracting with regrouping— up to 4 digits.



Calculation cycle - Multiplication

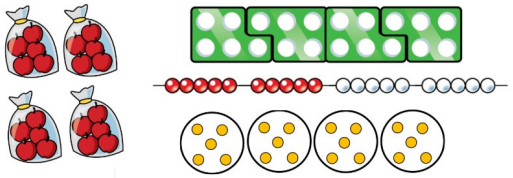
EYFS

Repeated grouping/repeated addition



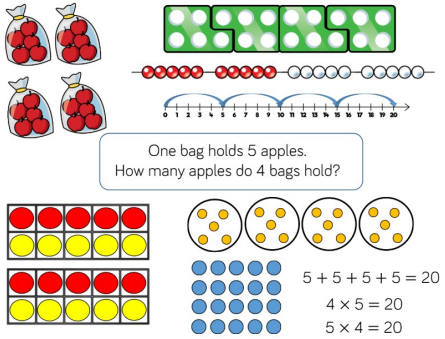
Year 1

Repeated grouping/repeated addition



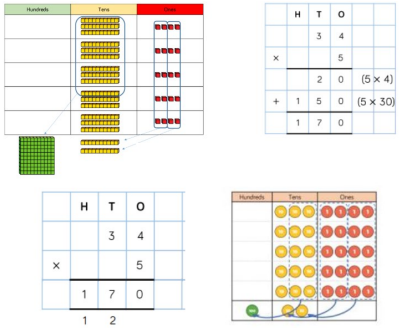
Year 2

Solve 1-step problems using multiplication



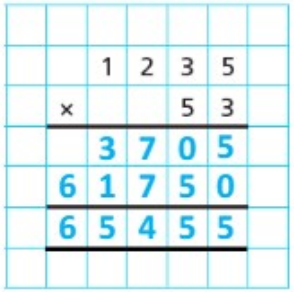
Year 3

Multiply 2-digit numbers by 1-digit numbers



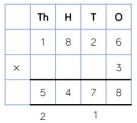
Year 6

Long multiplication to multiply numbers with up to four digits by 2-digit numbers.

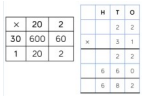


Year 5

Multiply 4-digit numbers by 1-digit numbers



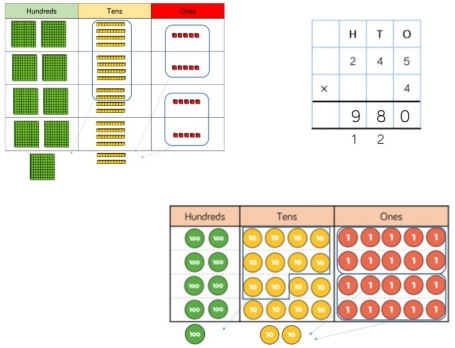
Multiply 2-digit numbers by 2-digit numbers



Multiply 3-digit numbers by 2-digit numbers

Year 4

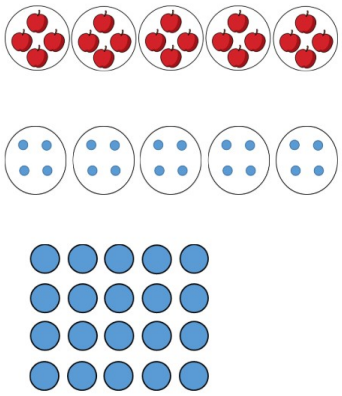
Multiply 3-digit numbers by 1-digit numbers



Calculation cycle - Division

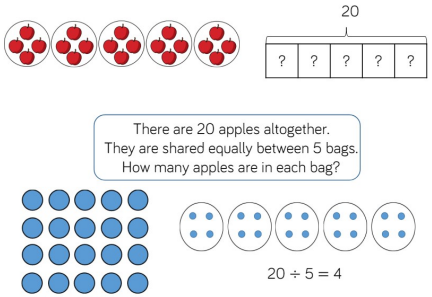
EYFS

Sharing objects into groups



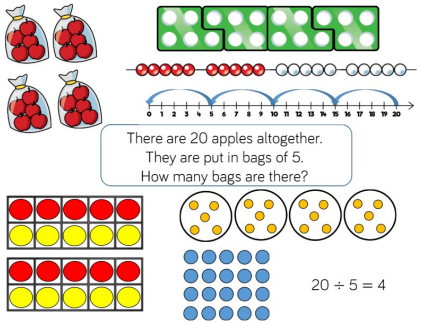
Year 1

Solve 1-step problems using multiplication (sharing)



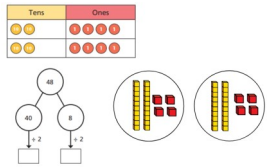
Year 2

Solve 1-step problems using division (grouping)



Year 3

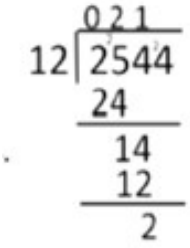
Divide 2-digits by 1-digit sharing with no exchange.



Divide 2-digits by 1-digit sharing with exchange

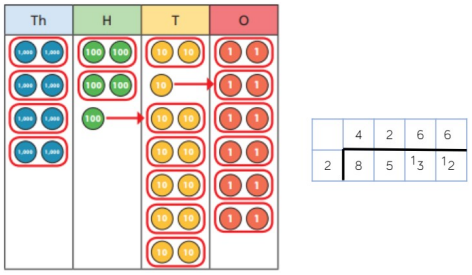
Year 6

Long division with place value counters - up to 4 digits by a 2 digit number.



Year 5

Divide 4-digits by 1-digit (grouping)



Year 4

Division - up to 3 digits by 1 digit.