

Year 3

Addition

I can recognise when to use a mental or written method to add.

I can use a formal method to add 3 and 4 digit numbers.

E.g.

Th	H	T	O
4	5	6	2
<hr/>			
+	2	3	37
6	8	9	9

= 6,899

As well as calculations which cross the tens, hundreds and thousands boundaries.

E.g.

Th	H	T	O
4	7	3	6
<hr/>			
+	5	1	87
9	9	2	3
<hr/>			
	x	x	

= 9,923

Subtraction

I can recognise when to use a mental or written method to subtract.

I can use a formal column method to subtract 3 and 4 digit numbers.

E.g.

Th	H	T	O
9	8	3	5
<hr/>			
-	4	5	14
5	3	2	1

= 5,321

Leading to calculations which involve exchanging amounts (stealing from the column to the left)

E.g.

Th	H	T	O
7	8	17	0
<hr/>			
-	5	8	04
2	9	0	9

= 2,909

Multiplication

I can multiply a 1 digit number by another 1 digit in my head.

I can multiply a 2 digit number by a 1 digit number using partitioning.

E.g. $24 \times 3 = 60 + 12 = 72$
 $4 \times 3 = 12$
 $20 \times 3 = 60$

I am beginning to use a formal written method to multiply a 3 digit by 1 digit number.

E.g. 376×4

3	7	6
<hr/>		
x		4
1	5	0
<hr/>		
1	5	0
	3	2

Division

I can divide using my x table facts. E.g. 21 sweets divided between 3 = 7. I know this because $3 \times 7 = 21$.

I can use bus stop division to divide 2 digit numbers, including numbers with remainders. E.g. $98 \div 3$ (how many 3s in 98?) = 32 r2

$$\begin{array}{r} 32 \text{ r}2 \\ 3 \overline{) 98} \end{array}$$

I am beginning to use bus stop division to divide 3 digit numbers by a 1 digit number where I may have to carry over any remainders. E.g. $234 \div 4$

$$\begin{array}{r} 058 \text{ r}2 \\ 4 \overline{) 234} \end{array}$$

Mental Maths

I know my 2, 3, 4, 5, 8 and 10 x table
 I know my number bonds for 10, 20 and 100 (both adding and subtracting)
 I can double any number up to 100 e.g. double 76
 I can halve any number up to 200 e.g. halve 164

Fractions

I can add and subtract fractions with the same denominator equalling no greater than one whole.

E.g. $\frac{5}{7} + \frac{1}{7} = \frac{6}{7}$

I understand that 'of' is the same as to multiply. E.g. $\frac{1}{2}$ of 24 is the same as $\frac{1}{2} \times 24 = 12$ (24 lots of $\frac{1}{2} = 12$)

I know how to find a fraction of an amount using the bar model to help me.
 $\frac{1}{4}$ of 28 = 7

