Key Stage 2 – Addition

Y4

- Continue with columnar addition.

H T O	H T O	Th H T O
3 7 1 + 4 8 5 8 5 6 1	3 7 6 + 4 8 5 8 6 1 1 1	2 3 8 8 + 1 1 2 4 3 5 1 2 1 1

- Estimate and use inverse operations to check answers to a calculation.

- Add money using both £ and pence in practical contexts.

National Curriculum requirements:
Add numbers with up to 4 digits, using the formal written method of columnar addition.

Key Stage 2 – Subtraction

Y4

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

H T O $^{3}\not{4}^{1}37$ $-\ 182$ 255	**H T O** $^{3}\not{4}^{12}\not{3}^{1}2$ $-\ 1\ 8\ 7$ $2\ 4\ 5$	**H T O** $^{5}\not{6}\ ^{9}\not{1}\not{0}\ ^{1}4$ $-\ 3\ 4\ 7$ $2\ 5\ 7$	**Th H T O** $8\ ^{3}\not{4}^{11}\not{2}^{1}6$ $-\ 2\ 1\ 7\ 7$ $6\ 2\ 4\ 9$

- Estimate and use inverse operations to check answers to a calculation.
- Subtract amounts of money using columnar method.

Video clips:
Subtraction - teaching children to consider the most appropriate methods before calculating

Introducing partitioned column subtraction method, from practical to written

Moving to the compact column method of subtraction

National Curriculum requirements:
Subtract numbers up to 4 digits using the formal written method of columnar subtraction.

Key Stage 2 – Multiplication

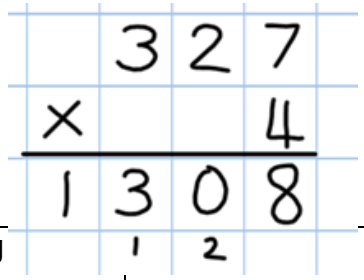
Y4

- Recall and use multiplication tables up to 12x12
  (Including multiplying by 0 and 1).

- Continue using grid method and expanded method as appropriate, progressing to short multiplication.

x	100	30	6
5	500	150	30

- Short Multiplication.



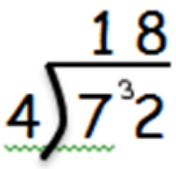
No carrying	Extra digit	Carrying		Ext.
T O 3 2 x 3 9 6	**H T O** 5 1 x 2 1 0 2	**H T O** 3 8 x 7 2 6 6 5	**H T O** 2 0 2 x 4 8 0 8	**H T O** □ 5 □ x 4 6 1 2 2 1

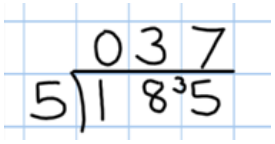
National Curriculum requirements:
Multiply 2 digits by 1 digit using formal written layout.
Multiply 3 digits by 1 digit using formal written layout.

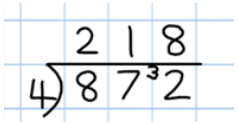
Key Stage 2 – Division

Y4

- Recall and use all division facts for all tables up to 12 (Including dividing by 1).
- Continue with short division method.







- Progressing to short division with remainders.

204 4) 8 1 6	141 r1 3) 4 2 4

National Curriculum requirements:
Divide 2 digits by 1 digit and 3 digits by 1 digit becoming fluent with formal written method of short division with exact answers and progressing to remainders.

The National Curriculum statutory requirements for Year 4 and the use of written methods are not clear therefore our guidance for Year 4 has been based on the skills required to access Year 5 statutory requirements.

Calculation: Fractions

ADDITION AND SUBTRACTION
Add and subtract fractions with the same denominator