

Year 3 and Year 4
Maths Calculation policy

Addition

Add numbers up to three digits, using formal written method of columnar addition, this increases to 4 digit numbers in Year 4.

- Number Lines
- Partitioning
- Expanded written method
- Formal written method

Subtraction

Subtract numbers up to three digits, using formal written method of columnar subtraction, this will increase to 4 digits in Year 4.

- Number Lines
- Partitioning
- Expanded written method
- Formal written method

Multiplication Year 3

- Recall and use multiplication facts for the 3, 4 and 8 multiplication tables (continue to practice the 2, 5 and 10 multiplication tables)
- Write and calculate mathematical statements for multiplication using the multiplication tables that they know, including for 2-digit numbers times 1-digit numbers using mental and progressing to a formal written method.

Multiplication Year 4

- Recall and use multiplication facts for all the multiplication tables up to 12×12 .
- Write and calculate mathematical statements for multiplication using the multiplication tables that they know, including for 2-digit and 3 -digit numbers times a 1-digit number using mental and progressing to a formal written method.

Multiplication

- Number Lines
- Arrays
- Partitioning
- Grid method
- Expanded short multiplication
- Formal short multiplication

Division Year 3

- Recall and use division facts for the 3, 4 and 8 multiplication tables (continue to practice the 2, 5 and 10 multiplication tables)
- Write and calculate mathematical statements for division using the multiplication tables that they know, including for 2-digit numbers divided by 1-digit numbers using mental and progressing to a formal written method.

Division Year 4

- Recall and use division facts for all multiplication tables to 12×12 .
- Write and calculate mathematical statements for division using the multiplication tables that they know, including for 2-digit numbers and 3 digit numbers divided by 1-digit numbers using mental and progressing to a formal written method.

Division Written methods

Year 3

- Number Lines
- Formal written layout

Division Written methods

Year 4

- As Year 3, however when the numbers become greater than 12 x the children will be encouraged to partition the number into chunks related to the multiplication table being used, e.g.

$$98 \div 7 = 14$$

$$98 = 70 + 28$$

$$70 \div 7 = 10$$

$$28 \div 7 = 4$$

$$10 + 4 = 14$$

Division Written methods

Year 4 (cont)

- This will lead to the formal written method for division, using the language of place value.
- The formal method will be further developed by using 3 digit numbers, but with no remainders.