

Year 1- 4

Calculation Policy Multiplication and Division

Love of learning, Love of Life itself and Love of God



Multiplication





Year: 3/4

Informal methods and the expanded method are used in Year 3 before moving on to the short multiplication method in Year 4. Place value counters should be used to support the understanding of the method rather than supporting the multiplication, as children should use times table knowledge.



Division







| Skill: Divide 2-digits by 1-digit (sharing with exchange) | | | | Year: 3/4 |
|---|---|---------------|-----------|--|
| i Tens i T | Ones ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ | 4 = 13 | 52 ??? | When dividing numbers involving an exchange, children can use Base 10 and place value counters to exchange one ten for ten ones. Children should start with the equipment outside the place value grid before sharing the tens and ones equally between the rows. |
| 10 	 3 10 + 3 = 12 | 3 | 10 | | a part-whole model supports this method. |





Glossary

Array – An ordered collection of counters, cubes or other item in rows and columns.

Commutative – Numbers can be multiplied in any order.

Dividend – In division, the number that is divided.

Divisor – In division, the number by which another is divided.

Exchange – Change a number or expression for another of an equal value.

Factor – A number that multiplies with another to make a product.

Multiplicand – In multiplication, a number to be multiplied by another.

Partitioning – Splitting a number into its component parts.

Product – The result of multiplying one number by another.

Quotient – The result of a division

Remainder – The amount left over after a division when the divisor is not a factor of the dividend.

Scaling – Enlarging or reducing a number by a given amount, called the scale factor