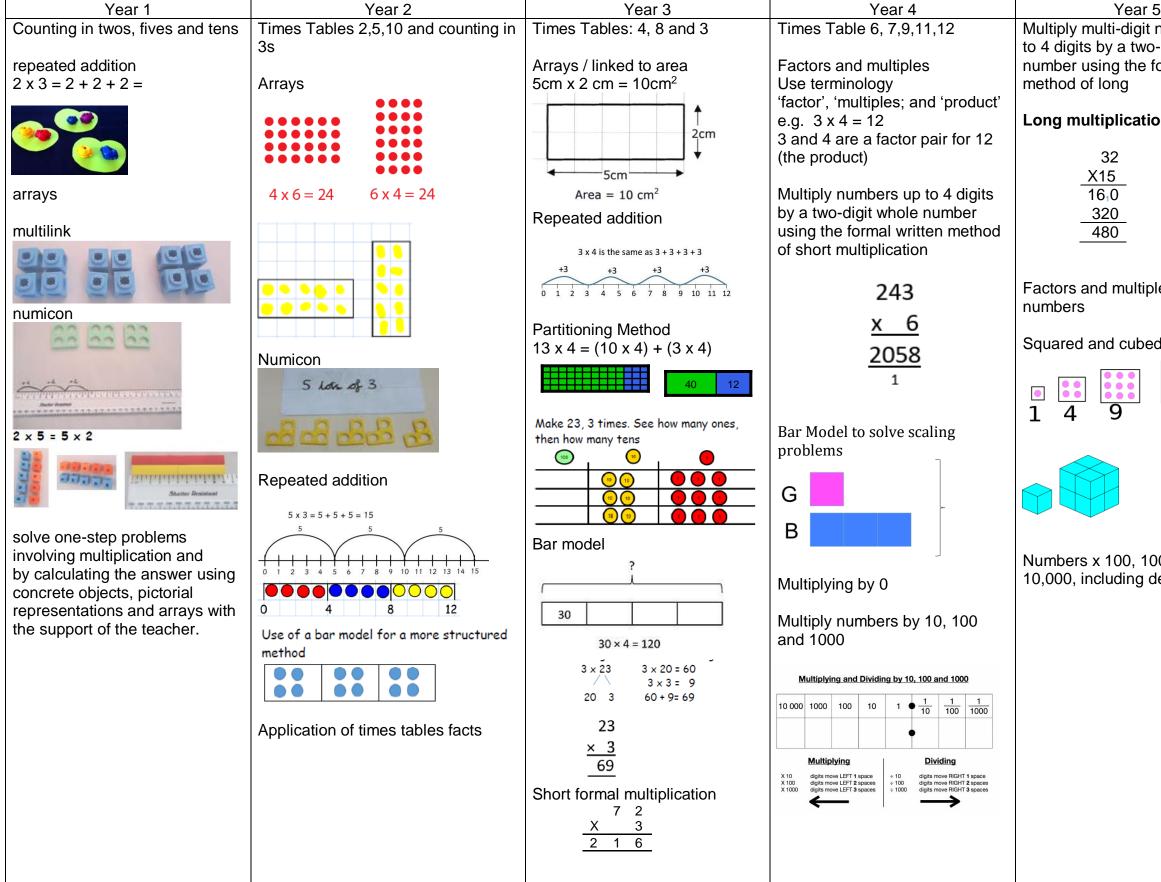


| | Veer 0 | | | | | | |
|-------------------------------------|---|--|--|--|--|--|--|
| rs with uding ethods | Year 6 Subtract numbers mentally and using formal written methods fluently. | | | | | | |
| O 3 ¹ 2 | °⊁ [™] 𝔅 ỷ ỷ ½ 4 9 − 8 9 9 4 9 6 0 7 5 0 | | | | | | |
| 2 <u>3</u> 09 | '1']Ø'5 · 3'4 '1 9 kg - 36 · 08 0 kg 69 · 339 kg | | | | | | |
| ↓ + 100 tally or with | Finding differences between positive and negative | | | | | | |
| • 0 • 5 • 5 | 6 - 1 = 7 $4 - 1 = 7$ $5 - 1 = 7$ $4 - 1 = 7$ $5 -$ | | | | | | |

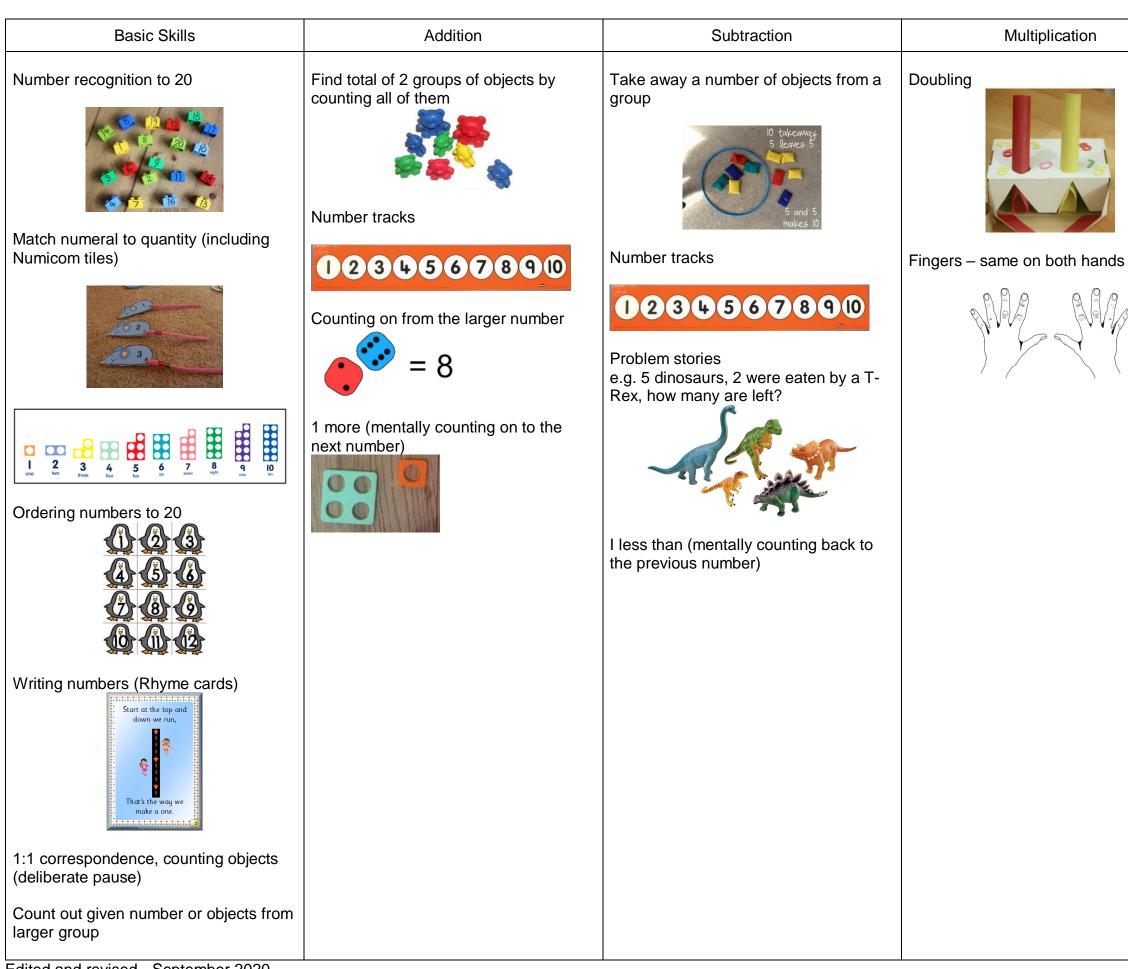
Multiplication



| 5 | Year 6 | | | | | |
|--|---|--|--|--|--|--|
| numbers up digit whole formal written | t whole to 4 digits by a two-digit whole | | | | | |
| on | 469 <u>x 32</u> 1938 <u>14070</u> 15008 | | | | | |
| es, prime Perform mental calculations, including with mixed operatio and large numbers multiplication | | | | | | |
| d numbers 16 | Multiplication of decimals using linked times tables facts. 0.6 x 7 0.08 x 9 15 x 6.1 | | | | | |
| | Common factors, common multiples and prime numbers | | | | | |
| 000 and | Multiply one-digit numbers with up to two decimal places by whole numbers | | | | | |
| decimals. | Short method | | | | | |
| | 21.8 <u>X 3</u> <u>65.4</u> 2 | | | | | |
| | Use their knowledge of the order of operations to carry out calculations involving the four operations | | | | | |
| | | | | | | |

| Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
|--|--|---|--|---|---|
| Halving 10 ÷2 = 5 | Counting in 2,5,10 and 3. Division by grouping (numicon, or counting in groups), eg 20 ÷ 5 | Counting on in groups mentally (using a number line, practical resoruces or numicon as required) 20 ÷ 3 = 6r2 | Mental Division with remainders How many groups of 3 in 17? e.g. $17 \div 3 = 5 r 2$ | Divide numbers up to 4 digits by a one-digit number using the formal written method of long and short division and interpret remainders appropriately for the context | Divide numbers up to 4 digits by a two-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding, as appropriate for the |
| Quarters $20 \div 4 = 5$ 4 = 5 4 = 5 $5 \Rightarrow 3 = 5$ in each group (sharing) 4 = 5 $5 \Rightarrow 3 = 5$ in each group (sharing) 4 = 5 4 | groups), eg 20 \cdot 5 | 20 ÷ 3 = 6r2 Coordination (1990) Coordination (1 | $\frac{1}{3} + 3 + 3 + 3 + 3 + 3 + 7}{3} + 7$ Long division – continuing to use the place value counters and recording: $2 \frac{2}{5} \frac{6}{2}$ $- \frac{4}{1} \frac{\Psi}{2}$ $- \frac{1}{2} \frac{2}{0}$ Dividing by 0 Numbers ÷ 10 and 100. | | |
| Grouping 15 ÷ 3 = 5 groups of 3 (grouping) | From a known fact, create a division fact e.g. $3x5 = 15$ so $15 \div 5 = 3$ BUT $5 \div 15 \neq 3$ 48 \div 4 = 12 48 \div 4 = 12 5 tart with the tens. | $2 5 2$ $- 4 4$ $\frac{12}{12}$ $- 12 0$ $0 0 0 0 0 0 0$ $0 0 0 0 0 0 0$ $0 0 0 0 0 0 0 0$ $0 0 0 0 0 0 0 0$ $0 0 0 0 0 0 0$ $0 0 0 0 0 0 0$ $0 0 0 0 0 0 0$ $0 0 0 0 0 0 0$ $0 0 0 0 0 0 0$ $0 0 0 0 0 0 0$ $0 0 0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0 0$ $0 0 0 0$ $0 0 0 0$ $0 0 0 0$ $0 0 0 0$ $0 0 0 0$ $0 0 0 0$ $0 0 0 0$ $0 0 0 0$ $0 0 0 0$ $0 0 0 0$ $0 0 0 0$ $0 0 0$ $0 0 0 0$ $0 0$ $0 0 0$ $0 0$ $0 0 0$ $0 0 0$ $0 0$ $0 0 0$ $0 0$ $0 0$ $0 0 0$ $0 0$ | | short division (if needed) $192 \div 6$ 3 2 $6 19^{1}2$ $192 \div 6$ = 32 Record remainders as fractions and known decimals. Numbers $\div 100$, 1000 and 10,000, including decimals. | 564 ÷ 13 = 43 r 5 = 43 $\frac{5}{13}$ Divide fractions by whole numbers $\frac{9}{17}$ ÷ $\frac{3}{7} = \frac{9}{17}$ ÷ $\frac{3}{1} = \frac{9}{17}$ × $\frac{1}{3} = \frac{9 \times 1}{17 \times 3}$ $= \frac{9}{51} = \frac{9 \div 3}{51 \div 3} = \frac{3}{17}$ |

EYFS



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