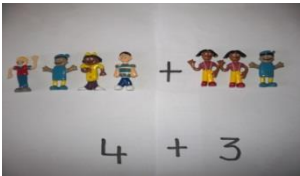
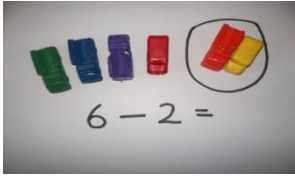
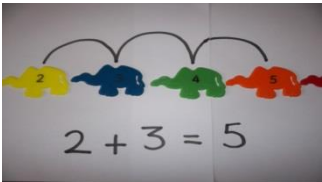
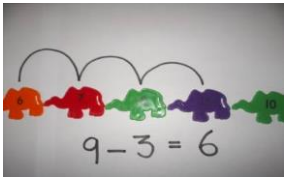
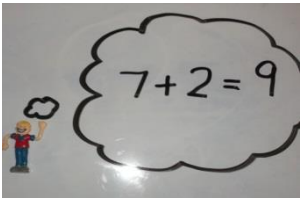
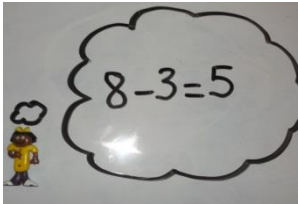
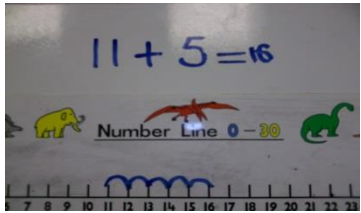
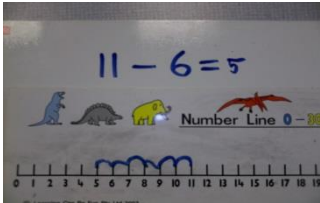
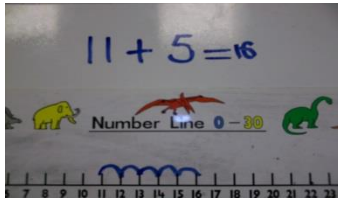
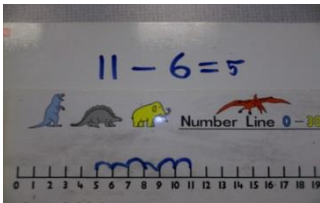
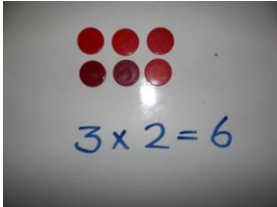
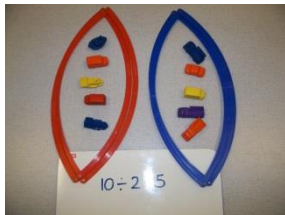


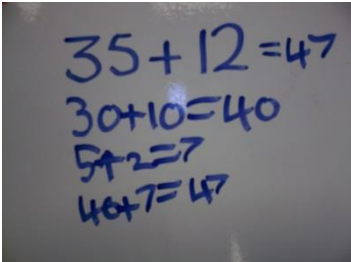
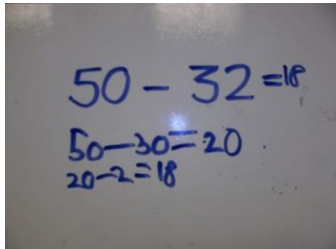
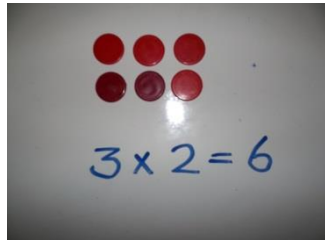
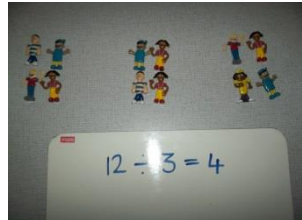
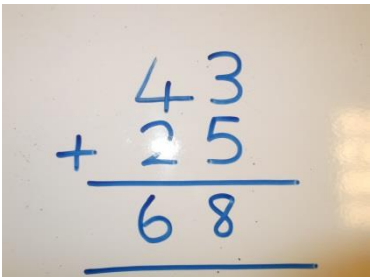
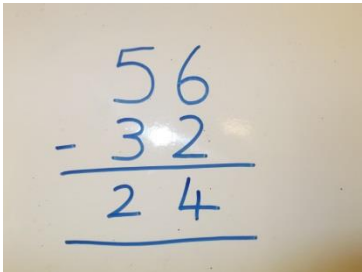
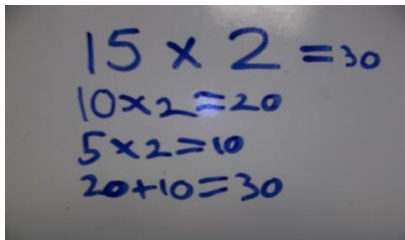
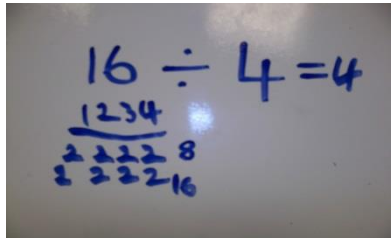
Progression of Written Calculation Strategies – Maths Curriculum 2014

| EYFS | | | |
|---|---|----------------|----------|
| Progressing toward ELG | | | |
| Addition | Subtraction | Multiplication | Division |
| <p>Combining two or more sets of objects up to 10.</p>  | <p>Taking away objects from a set up to 10.</p>  | | |
| Progressing toward ELG | | | |
| Addition | Subtraction | Multiplication | Division |
| <p>Add using a numberline up to 10 and beginning to record.</p>  | <p>Subtract using a numberline up to 10 and beginning to record.</p>  | | |
| Progressing toward ELG | | | |
| Addition | Subtraction | Multiplication | Division |
| <p>Add by counting on up to 10 without a numberline.</p>  | <p>Subtract by counting back up to 10 without a numberline.</p>  | | |

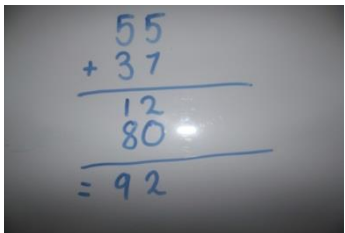
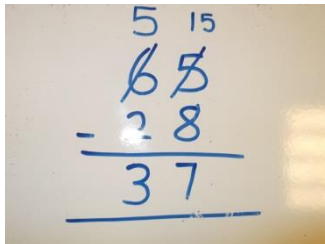
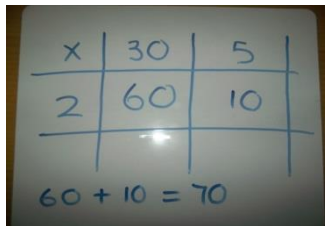
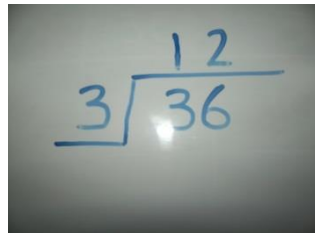
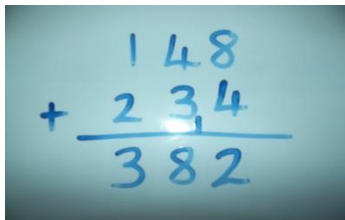
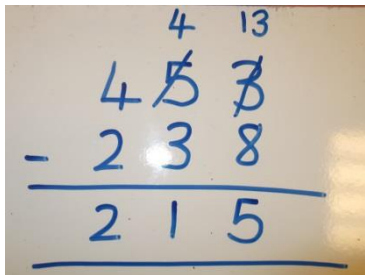
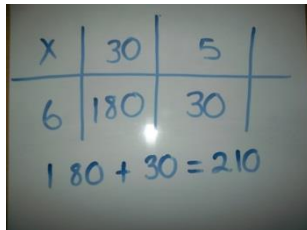
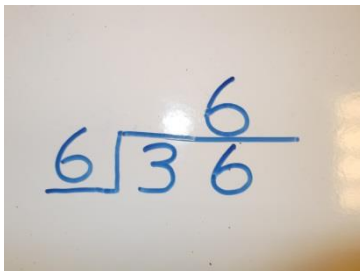
Progression of Written Calculation Strategies – Maths Curriculum 2014

| Year 1 (progressing towards) | | | |
|--|--|--|--|
| Addition | Subtraction | Multiplication | Division |
| <p>Add a single digit to a 2-digit number up to 20 with a numberline.</p>  | <p>Subtract a single digit from a 2-digit number up to 20 with a numberline.</p>  | | |
| Year 1 (expected) | | | |
| Addition | Subtraction | Multiplication | Division |
| <p>Add a single digit to a 2-digit number up to 20 with a numberline.</p>  | <p>Subtract a single digit from a 2-digit number up to 20 with a numberline.</p>  | <p>Using arrays up to 20.</p>  | <p>Using concrete objects to divide up to 20.</p>  |

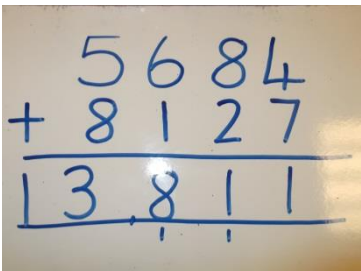
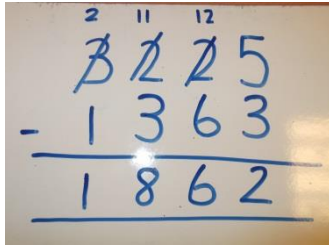
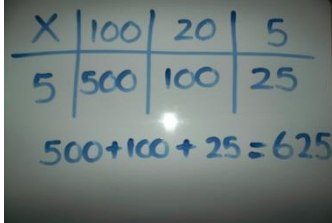
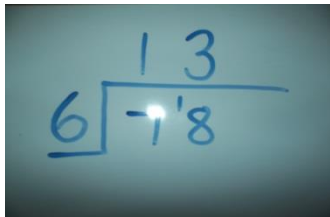
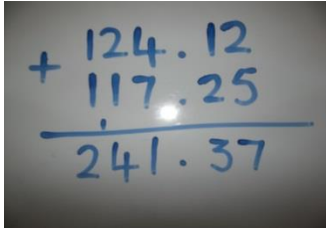
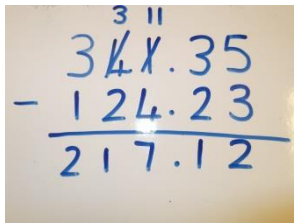
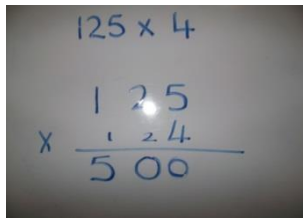
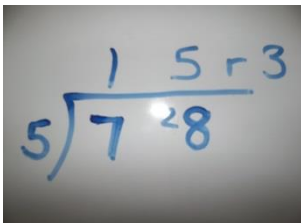
Progression of Written Calculation Strategies – Maths Curriculum 2014

| Year 2 (progressing towards) | | | |
|--|--|---|---|
| Addition | Subtraction | Multiplication | Division |
| Partitioning up to 50 – no bridging.  | Up to 50 by partitioning.  | Using arrays up to 50.  | Using concrete objects to divide up to 50.  |
| Year 2 (expected) | | | |
| Addition | Subtraction | Multiplication | Division |
| Adding 2 2-digit numbers using column method with no 'carrying'.  | Subtracting 2 2-digit numbers with no 'exchanging'.  | Partitioning x by 2, 3 and 5 up to 100.  | Numerical representation up to 100.  |

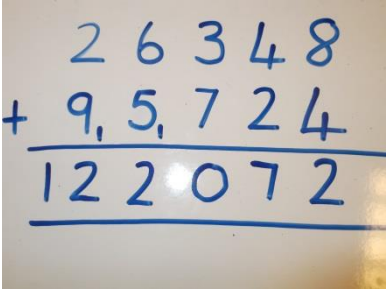
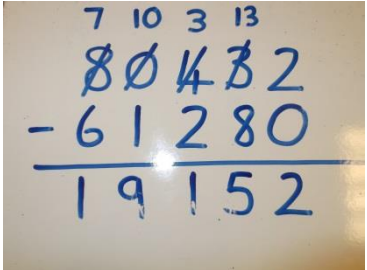
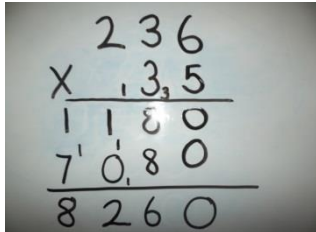
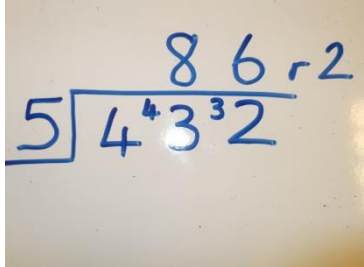
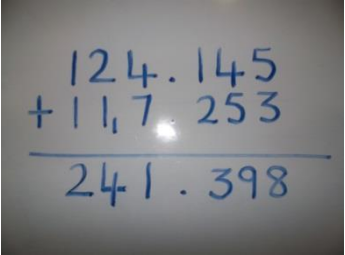

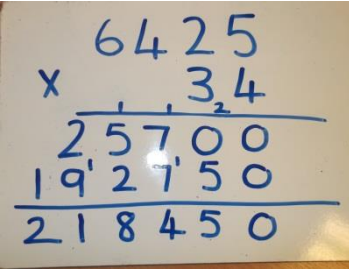
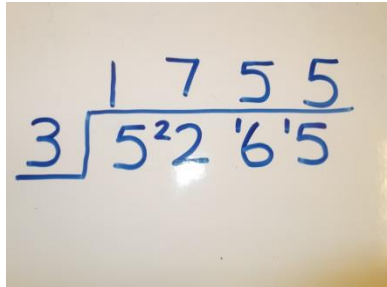
Progression of Written Calculation Strategies – Maths Curriculum 2014

| Year 3 (progressing towards) | | | |
|---|--|---|---|
| Addition | Subtraction | Multiplication | Division |
| Column addition TU with multibase if required.  | Column subtraction TU with exchanging Ts with multibase if required.  | Simple grid method TU x U using x2,x3,x4,x5.  | Short division by 2,3,4 and 5 with carrying.  |
| Year 3 (expected) | | | |
| Addition | Subtraction | Multiplication | Division |
| Column addition of 2 3-digit numbers.  | Column subtraction of 2 3-digit numbers with exchanging.  | Grid method TU x U using x2, x3, x4, x5, x6 and x8.  | Short division method by 2,3,4,5,6 and 8 with carrying.  |

Progression of Written Calculation Strategies – Maths Curriculum 2014

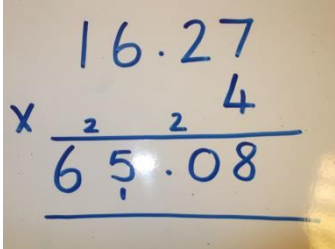
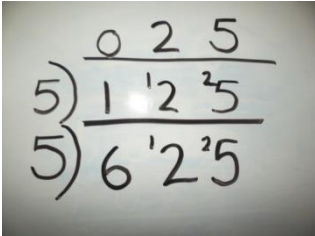
| Year 4 (progressing towards) | | | |
|--|--|---|---|
| Addition | Subtraction | Multiplication | Division |
| Column addition of 2 4-digit numbers.  | Column subtraction of 2 4-digit numbers.  | Simple grid method using HTU x U using all tables.  | Short division method by 2,3,4,5,6,7 and 8, with carrying.  |
| Year 4 (expected) | | | |
| Addition | Subtraction | Multiplication | Division |
| Column addition of decimals to 2 decimal places (d.p.)  | Column subtraction of decimals to 2d.p.  | Multiply 2 and 3 digits by a single digit.  | Short division by any single digit with remainders.  |

Progression of Written Calculation Strategies – Maths Curriculum 2014

| Year 5 (progressing towards) | | | |
|---|--|--|---|
| Addition | Subtraction | Multiplication | Division |
| <p>Column addition of 2 5-digit numbers.</p>  $\begin{array}{r} 26348 \\ + 95724 \\ \hline 122072 \end{array}$ | <p>Column subtraction of 2 5-digit numbers.</p>  $\begin{array}{r} 7\ 10\ 3\ 13 \\ 80432 \\ - 61280 \\ \hline 19152 \end{array}$ | <p>Multiply a 3-digit number by 2-digit number.</p>  $\begin{array}{r} 236 \\ \times 35 \\ \hline 1180 \\ 7080 \\ \hline 8260 \end{array}$ | <p>Short division - 3-digit number by a single digit.</p>  $\begin{array}{r} 86\ r2 \\ 5 \overline{) 432} \end{array}$ |
| Year 5 (expected) | | | |
| Addition | Subtraction | Multiplication | Division |
| <p>Column addition up to 3 d.p.</p>  $\begin{array}{r} 124.145 \\ + 117.253 \\ \hline 241.398 \end{array}$ | <p>Column subtraction up to 3 d.p.</p>  $\begin{array}{r} 42.343 \\ - 31.232 \\ \hline 11.111 \end{array}$ | <p>Multiply a 4-digit number by a 2-digit number.</p>  $\begin{array}{r} 6425 \\ \times 34 \\ \hline 25700 \\ 192750 \\ \hline 218450 \end{array}$ | <p>Short division – 4-digit by a single digit.</p>  $\begin{array}{r} 1755 \\ 3 \overline{) 5265} \end{array}$ |

Progression of Written Calculation Strategies – Maths Curriculum 2014

Year 6 (progressing towards)

| Addition | Subtraction | Multiplication | Division |
|----------|-------------|--|--|
| | | <p>Multiply a number with 2d.p. by a single digit.</p>  | <p>Divide a 4 digit number by a 2-digit number.</p>  <p>Or by using the short division method</p> |

Year 6 (expected)

| Addition | Subtraction | Multiplication | Division |
|----------|-------------|----------------|---|
| | | | <p>Divide a number with 2d.p. by a single digit.</p>  |