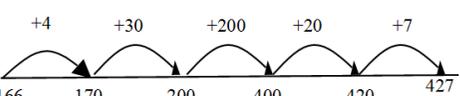
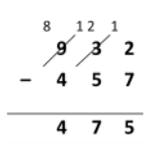
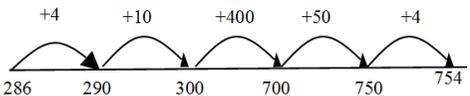
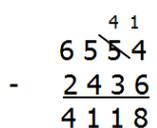
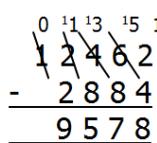
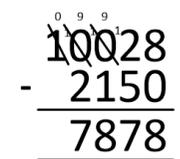


Subtraction

Year 3	Year 4	Year 5	Year 6
<ul style="list-style-type: none"> add and subtract numbers mentally, including: <ul style="list-style-type: none"> a three-digit number and ones a three-digit number and tens a three-digit number and hundreds add and subtract numbers with up to three digits, using formal written method of columnar addition and subtraction estimate the answer to a calculation and use inverse operations to check answers solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction. 	<ul style="list-style-type: none"> subtract numbers with up to 4 digits using the efficient written method of columnar addition and subtraction where appropriate estimate and use inverse operations to check answers to a calculation solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why. solve simple measure and money problems involving fractions and decimals to two decimal places. 	<ul style="list-style-type: none"> add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction) add and subtract numbers mentally with increasingly large numbers use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why. 	<ul style="list-style-type: none"> perform mental calculations, including with mixed operations and large numbers use their knowledge of the order of operations to carry out calculations involving the four operations solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why use estimation to check answers to calculations and determine, in the context of a problem, levels of accuracy. solve problems involving number up to three decimal places.
<ul style="list-style-type: none"> Develop confidence in counting back in 100s, 10s and 1s from any 3-digit number. Use an empty number line to count back e.g. $325 - 126 = 199$.  <ul style="list-style-type: none"> Count on to find the difference using an empty number line. $427 - 166 = 261$  <ul style="list-style-type: none"> Use partitioning in preparation for expanded decomposition method to follow: $279 - 135 = 144$ $\begin{array}{r} 200 + 70 + 9 \\ - 100 + 30 + 5 \\ \hline 100 + 40 + 4 \end{array}$ <ul style="list-style-type: none"> Leading to expanded method of decomposition using manipulatives to support exchanging over tens (base 10 manipulatives). E.g. $932 - 457 = 475$ 	<ul style="list-style-type: none"> Use an empty number line to 'count on' numbers up to 3 digits, e.g. $754 - 286 = 468$  <ul style="list-style-type: none"> Use written method of subtraction (column subtraction) to subtract numbers with up to 4 digits. E.g. $8263 - 1329 = 6934$ $\begin{array}{r} 8263 \\ - 1329 \\ \hline 6934 \end{array}$ <ul style="list-style-type: none"> Use place value manipulatives (base 10 or place value counters) to reinforce exchanging over tens and hundreds Use rounding to estimate and inverse operations for checking. Solve two-step problems E.g. <i>Mark saved £196 and John saved £275. They combine their money. How much more money do they to save to reach £500?</i> Solve simple problems involving money and measures, e.g. <i>A dog weighs 12.25kg. In three weeks the dog loses 1.4kg in weight. How much does it weigh now?</i> 	<ul style="list-style-type: none"> Subtraction of three and four digit numbers using mental methods, e.g. $8006 - 2999$. Continue to practice using column subtraction method to subtract numbers with more than 4 digits. Use place value manipulatives to reinforce children's understanding of exchanging. E.g. $6554 - 2436 = 4118$  <ul style="list-style-type: none"> Use knowledge of place value to position digits carefully. E.g. $12,462 - 2884 = 9578$  <ul style="list-style-type: none"> Extend to decimals. Check answers using rounding, e.g. $£15.89 - £7.15 \approx £16.00 - £7.00 = £9.00$ Solve multi-step problems in context, choosing operations and suitable methods. E.g. <i>Pens cost £1.59 and Pencils £0.85. If John buys a pen and 2 pencils how much change will he get from £5.00?</i> 	<ul style="list-style-type: none"> Subtract mentally when dealing with large numbers and alongside other operations, e.g. What is double $1508 - 1203$? Continue to use column subtraction with more than four-digits and including multiple zeros.  <ul style="list-style-type: none"> Continue to use column subtraction to solve problems. Extend to decimals (involving zeros) in context. E.g. $£25.00 - £14.45 = £10.55$ and $£200.00 - £35.17 = £164.83$ Use the order of operations (BIDMAS) when calculating, e.g. $(2 \times 250) + 10^2 - 90 = 500 + 100 - 90 = 600 - 90 = 510$. Solve multi-step problems in context, choosing operations and suitable methods. E.g. <i>Matthew buys three shirts at £10.99 each. Denise buys five blouses at £5.99 each. How much more does Matthew pay than Denise?</i> Use estimation to check answers are reasonable, e.g. $£10.99 \times 3 \approx £11 \times 3 = £33$, $£5.99 \times 5 \approx £6 \times 5 = £30$, $£33 - £30 = £3$.

- Use inverse operations to check answers. E.g.
 $457 + 475 = 932$
- Estimate the answer to a question, e.g. $572 - 158 \approx 570 - 160 = 410$.