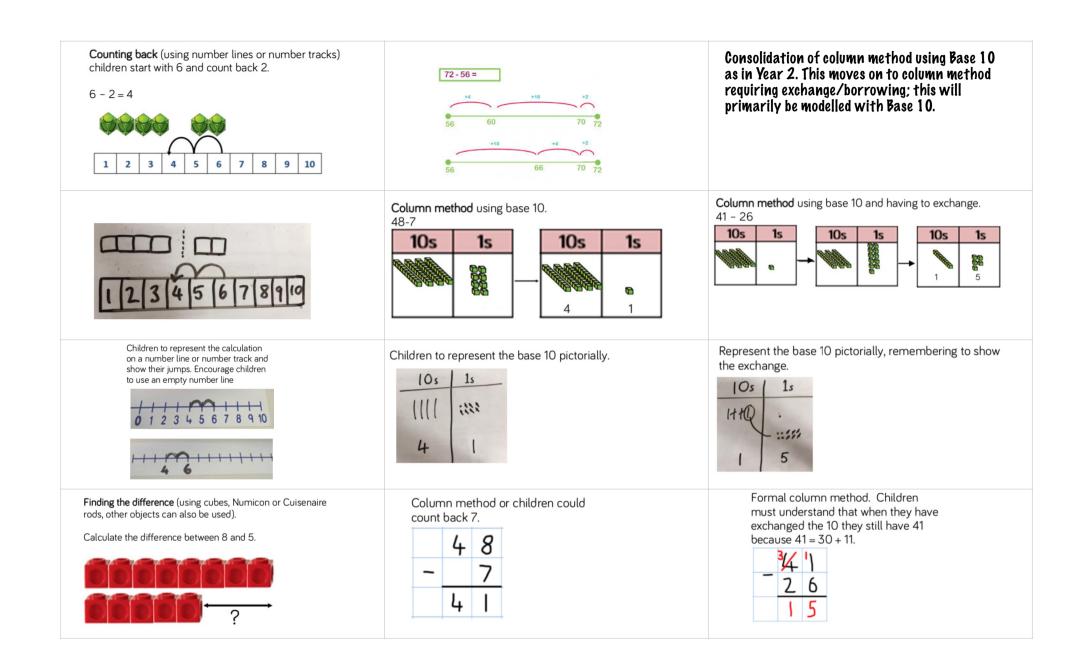
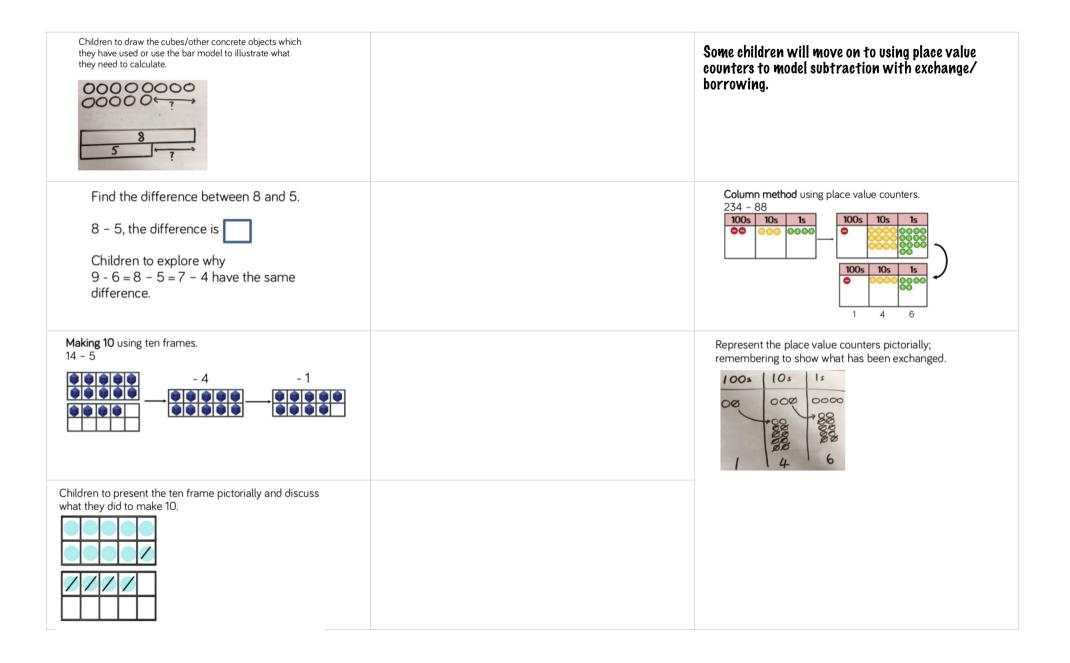
| EYFS/Year 1 | Year 2 | Year 3 |
|--|---|--|
| Physically taking away and removing objects from a whole (ten frames, Numicon, cubes and other items such as beanbags could be used). 4 - 3 = 1 | As Year 1 to consolidate methods and move on to larger numbers. Moving on to: | As Year 2 to consolidate methods and move on to larger numbers. Mental strategies to include: Partitioning, e.g. 68 – 42 as 60 – 40 and 8 – 2 or £6.84 - £2.40 as £6 - £2 and 80p – 40p. Count back in hundreds, tens and then ones, e.g. 763 – 121 as 763 – 100 (663) then subtract 20 (643) then subtract 1 (642). Subtract near multiples, e.g. 648 – 199 or 86 – 39. |
| Children to draw the concrete resources they are using and cross out the correct amount. The bar model can also be used. | Part-part-whole models with larger numbers. | Part-part-whole models with larger numbers using known facts and number bonds. |
| XXXX | has in all 11 ? 3 before got for B-day ? 3 3+_=11 11-3= | 100 48 ? |
| 4-3= =================================== | Finding the difference in bar models and on number lines. | |
| $\begin{array}{c c} 4 \\ \hline 3 \\ \hline \end{array}$ | 18 | |





| | Formal colum method. Children must understand what has happened when they have crossed out digits. |
|--|--|
| | 2 ² 3 ¹ 4 |
| | <u>- 88</u> 6 |
| | 0 |

ALVERTON CALCULATION POLICY - SUBTRACTION

| Year 4 | Year 5 | Year 6 |
|--|--|--|
| Continue work from Year 3 concentrating on modelling column subtraction with place value counters which should quickly lead into confident use of formal written method with up to 4 digits. However, for any child who has gaps in understanding, any method from previous years can be used as intervention to plug those gaps. | Continue with formal column subtraction with 5 digit numbers. Extend to subtraction of numbers with the same number of decimal places Move on to subtracting numbers with one decimal place from numbers with no decimals. Claire's group | As Year 5 moving to column subtraction of numbers with different number of decimal places. |
| Column method using place value counters. 234 - 88 100s 10s 1s 100s 10s 1s | Move on to subtracting numbers with up to 4 decimal places from numbers with either no decimals or different numbers of decimals Mike and Ali's groups | |
| Represent the place value counters pictorially; remembering to show what has been exchanged. 100° 10° 1° 1° | | |

| Formal colum method. Children must understand what has happened when they have crossed out digits. 234 - 88 6 | |
|--|--|
| This method should be extended to 4 digit numbers. | |
| | |
| | |
| | |