

Subtraction Written Calculation Progression

St Paul's CE VC Junior School

Key Vocabulary Related to Subtraction

All

Minus, subtract, less than, take away, left, smaller, least, count back, difference between, count on.

Lower Key Stage Two

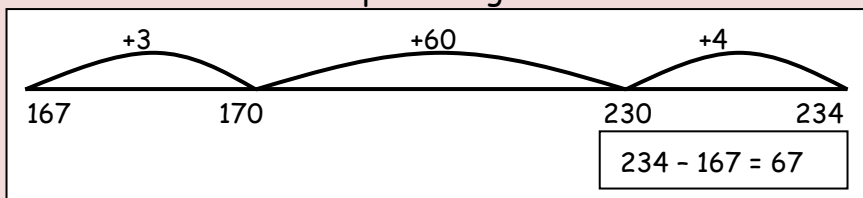
Subtraction, take away

Upper Key stage Two

Negative, decrease.

Year Three

- Children to be able to confidently use a number line to count on _____
- Subtract numbers up to 3 digits.



- Build on partitioning to develop expanded column subtraction with two 3-digit numbers.

Expanded Column Subtraction

$$\begin{array}{r} 700 \quad 30 \quad 7 \\ - 400 \quad 20 \quad 5 \\ \hline 300 \quad 10 \quad 2 \end{array}$$

Year Four

- Build on expanded method of subtraction with larger numbers and include moving.

Expanded Subtraction with Moving

$$\begin{array}{r} 500 \quad 110 \quad 13 \\ 600 \quad \cancel{20} \quad \cancel{3} \\ - 400 \quad 50 \quad 7 \\ \hline 100 \quad 60 \quad 6 \end{array}$$

- Develop compact method of subtraction.
- Develop moving with compact method.

Compact Method

$$\begin{array}{r} 768 \\ - 542 \\ \hline 226 \end{array}$$

Compact Method with Moving

$$\begin{array}{r} 6 \quad 11 \quad 16 \\ \cancel{7} \quad \cancel{2} \quad \cancel{6} \\ - 3 \quad 5 \quad 8 \\ \hline 3 \quad 7 \quad 8 \end{array}$$

- Subtract numbers with up to 4-digits.

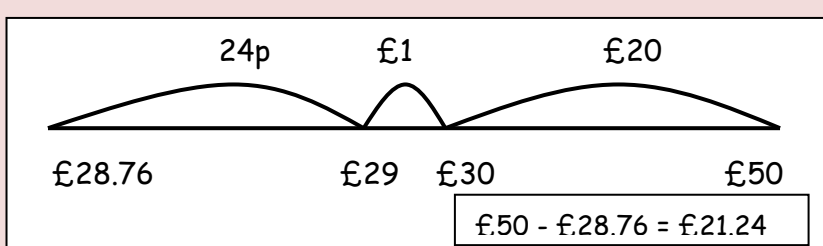
Year Five

- Children to become confident with using compact method.
- Subtract numbers with more than 4-digits.

$$\begin{array}{r} 67456 \\ - 45424 \\ \hline 22032 \end{array}$$

$$\begin{array}{r} 1 \quad 15 \quad 12 \quad 11 \quad 14 \\ \cancel{2} \quad \cancel{6} \quad \cancel{3} \quad \cancel{2} \quad \cancel{4} \\ 8 \quad 5 \quad 2 \quad 6 \\ \hline 1 \quad 7 \quad 7 \quad 9 \quad 8 \end{array}$$

- For money continue to use number line and counting on method.



Year Six

- Children to become confident with compact method.
- Subtract large numbers.

$$\begin{array}{r} 5 \quad 13 \quad 12 \\ \cancel{6} \quad \cancel{4} \quad \cancel{2} \quad 3 \quad 7 \\ 4 \quad 6 \quad 3 \quad 3 \quad 5 \\ \hline 1 \quad 7 \quad 9 \quad 0 \quad 2 \end{array}$$

- Children to solve subtraction multi-step problems in context.

John get paid £35,643 a year, and he spends £5,476 of his salary on child care. How much does he have left?

$$\begin{array}{r} 5 \quad 13 \quad 13 \\ 3 \quad 5 \quad \cancel{6} \quad \cancel{4} \quad \cancel{3} \\ 5 \quad 4 \quad 7 \quad 6 \\ \hline 3 \quad 0 \quad 1 \quad 6 \quad 7 \end{array}$$

