

Calculation Guidelines for Gifted and Talented Children Working Beyond Primary Level

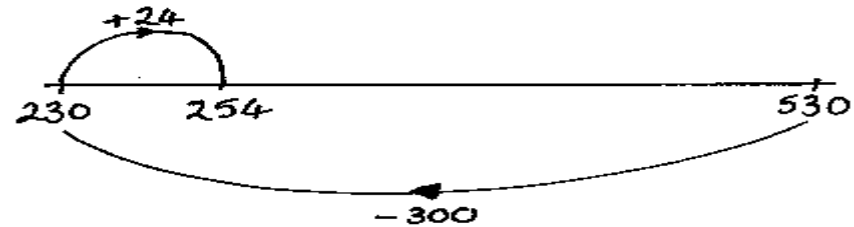
SUBTRACTION

Mental methods

Use compensation by subtracting too much, and then compensating

Use jottings such as an empty number line to support or explain methods for adding mentally.

$$\begin{aligned} 530 - 276 &= 530 - 300 + 24 \\ &= 230 + 24 \\ &= 254 \end{aligned}$$



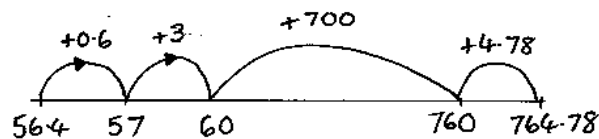
Pencil and paper procedures (Written methods)

Extend to decimals with up to 2 decimal places, including:

- differences with different numbers of digits
- totals of more than two numbers.

Complementary addition

$$764.78 - 56.4 = 708.38$$



Subtract more complicated fractions For Example:

Know that fractions can be added/subtracted if they have the same denominator.

$$\frac{5}{6} - \frac{3}{4}$$

$$\frac{10}{12} - \frac{9}{12} = \frac{1}{12}$$

