

Year 3 Written Methods + - x ÷

Year 3 written methods for + - x build on the children's understanding of partitioning, multiplication facts and mental addition. We do not teach formal written methods for division in Year 3 although we do encourage children to use jottings and a number line when dividing above the 10th multiple and understanding how to write a remainder as a whole number.

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

e.g. $466 + 358$

$$\begin{array}{r} 400 \ 60 \ 6 \\ + 300 \ 50 \ 8 \\ \hline 700 \ 110 \ 14 = 824 \end{array}$$

Use expanded column addition where digits in a column add to more than the column value

e.g. $466 + 358$

$$\begin{array}{r} 400 \ 60 \ 6 \\ + 300 \ 50 \ 8 \\ + 100 \ 10 \\ \hline 800 \ 20 \ 4 \end{array}$$

Compact column addition with two or more 3-digit numbers or towers of 2-digit numbers

e.g. $347 + 286 + 495$

$$\begin{array}{r} 347 \\ + 286 \\ + 495 \\ + 21 \\ \hline 1128 \end{array}$$

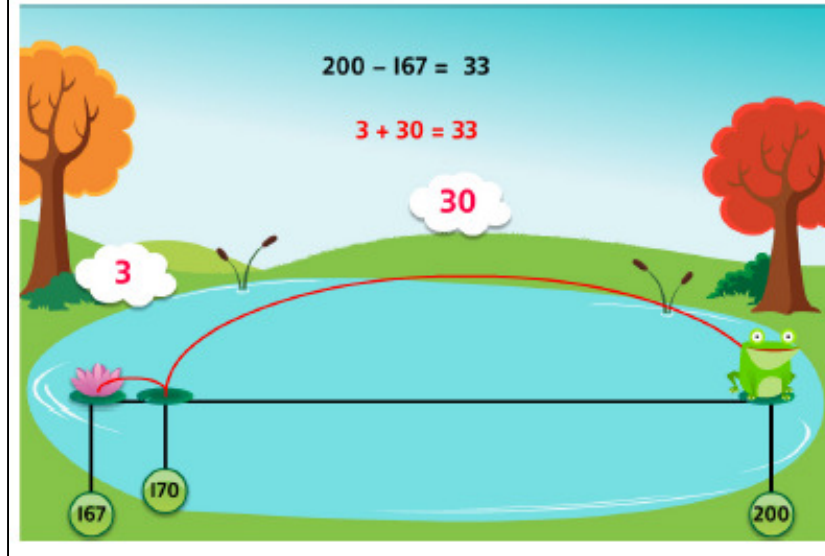
Build on partitioning to develop grid multiplication

e.g. 23×4

x	20	3	
4	80	12	= 92

Develop counting up subtraction

e.g. $200 - 167$



$$35 \div 3 = 11 \text{ r}2$$

