

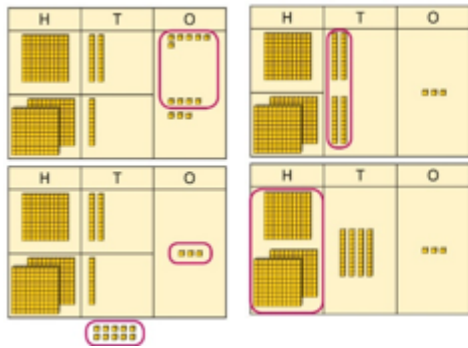


# Maths Methods used in Year 3

We want to share with you the ways we teach the four operations in Year 3.

## Addition

1. Use a place value grid to show the value of the numbers.

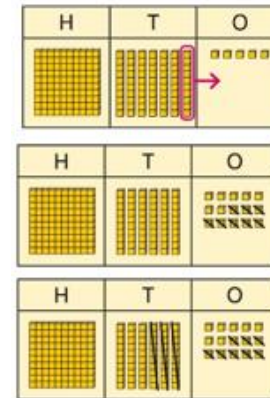


2. Use column addition to complete the calculation.

$$\begin{array}{r} \text{H T O} \\ 126 \\ + 217 \\ \hline 343 \end{array}$$

## Subtraction

1. Use a place value grid to show how to exchange.



2. Use column subtraction to complete the calculation.

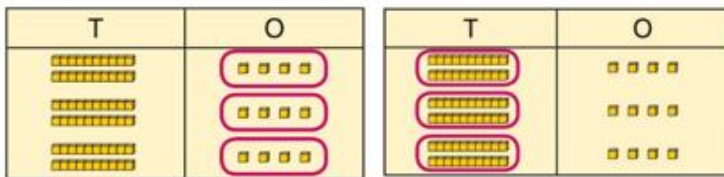
$$\begin{array}{r} \text{H T O} \\ 175 \\ - 38 \\ \hline 137 \end{array}$$

$$175 - 38 = 137$$

## Multiplication

1. Use a place value grid to partition 2 digit numbers

$$3 \times 24 = ?$$



$$3 \times 4 = 12$$

$$3 \times 20 = 60$$

$$60 + 12 = 72$$

$$3 \times 24 = 72$$

2. Use column multiplication to complete the calculation.

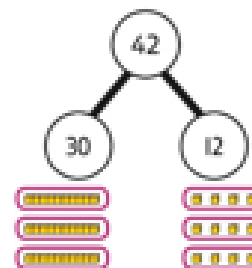
$$\begin{array}{r} \text{T O} \\ 28 \\ \times 5 \\ \hline 40 \\ 100 \\ \hline 140 \end{array}$$

$$5 \times 8$$

$$5 \times 20$$

## Division

1. Partition the number into known multiples to solve.
2. Use place value manipulatives to support the idea of a remainder.



$$42 = 30 + 12$$

$$42 \div 3 = 14$$

$$29 \div 2 = ?$$



$$29 \div 2 = 14 \text{ remainder } 1$$