

# Supporting Maths in Year 6

Children should be fluent **all** of their times tables:

1 -12: both multiplication and related facts.

E.g. If I know  $8 \times 6 = 48$

I also know  $6 \times 8 = 48$ ,  $48 \div 8 = 6$ ,  $48 \div 6 = 8$

And that  $60 \times 8 = 480$ ,  $8 \times 61 = 488$  etc

If they still need to, children can use Times Table Rock Stars online to help support fluency.

Children need to be very confident in the 4 formal methods for arithmetic.

Addition

789 + 642 becomes

$$\begin{array}{r} 789 \\ + 642 \\ \hline 1431 \\ \hline 1 \quad 1 \end{array}$$

Long Division

1 - 24	24	543
2 - 48	13032	
3 - 72	-120	
4 - 96	103	
5 - 120	-96	
6 - 144	72	
7 - 168		
8 - 192		

Subtraction

932 - 457 becomes

$$\begin{array}{r} 8 \quad 12 \quad 1 \\ 932 \\ - 457 \\ \hline 475 \end{array}$$

Multiplication

$$\begin{array}{r} 46 \\ \times 32 \\ \hline 92 \\ 1380 \\ \hline 1472 \end{array}$$