

### Written Calculation Strategies: Addition and Subtraction

Children are also taught a range of mental calculation strategies and should always aim to choose the most efficient method when calculating

#### Column addition of whole numbers

1	0	4	3	2	8
+	6	1	7	3	1
1	6	6	0	5	9

1

#### Column addition of decimals

$$\begin{array}{r} 3.65 \\ + 2.41 \\ \hline 6.06 \\ \hline 1 \end{array}$$

#### Column subtraction of whole numbers

	2	9	<del>3</del>	<sup>1</sup> 3	8	2
-	1	8	2	5	0	1
	1	1	1	8	8	1

#### Column subtraction of decimals

$$\begin{array}{r} 4 \quad 1 \\ \cancel{5}.43 \\ - 2.7 \\ \hline 2.73 \\ \hline \end{array}$$

## Written Calculation Strategies: Multiplication and Division

Children are also taught a range of mental calculation strategies and should always aim to choose the most efficient method when calculating

### Short multiplication

$$1,826 \times 3 = 5,478$$

	Th	H	T	O
	1	8	2	6
x				3
<hr/>				
	5	4	7	8
	2		1	

### Long multiplication

	TTh	Th	H	T	O
		2	7	3	9
x				2	8
<hr/>					
2	1	9	1	2	
<sub>2</sub>	<sub>5</sub>	<sub>3</sub>	<sub>7</sub>		
<hr/>					
5	4	7	8	0	
<sub>1</sub>		<sub>1</sub>			
<hr/>					
7	6	6	9	2	
					1

### Short division

	4	2	6	6
2	8	5	13	12

$$7,335 \div 15 = 489$$

	0	4	8	9
15	7	7 <sub>3</sub>	13 <sub>3</sub>	13 <sub>5</sub>

15	30	45	60	75	90	105	120	135	150
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### Long division

		0	3	6	
12	4	3	2		
	3	6			
		7	2		
		7	2		
			0		

	2	4	r12
22	5	4	0
—	4	4	↓
	1	0	0
—		8	8
		1	2

22	44	66	88	110	132
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