

Maths Calculation Examples - Year 3 and 4

Addition

Expanded column addition

Add 4256 and 1987.

$$\begin{array}{r}
 4256 \\
 + 1987 \\
 \hline
 13 \\
 130 \\
 1100 \\
 + 5000 \\
 \hline
 6243
 \end{array}$$

add ones
add tens
add hundreds
add thousands

$$4256 + 1987 = 6243$$

Compact/efficient column addition

(you can show renaming underneath if you would prefer to!)

$$\begin{array}{r}
 111 \\
 4256 \\
 + 1987 \\
 \hline
 6243
 \end{array}$$

Subtraction

Step 1:

h	t	o
6	0	8
- 1	3	5
		3

Step 2:

h	t	o
5	10	8
- 1	3	5
7		3


Step 3:

h	t	o
5	10	8
- 1	3	5
4	7	3

Multiplication

Expanded column method:

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



Compact/efficient column method

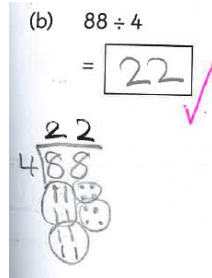
(you can show renaming underneath if you would prefer to!)

$$\begin{array}{r}
 1 \\
 473 \\
 \times 2 \\
 \hline
 946
 \end{array}$$

Division

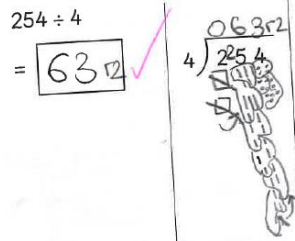
(b) $88 \div 4$

= 22



$254 \div 4$

= 63



draw Dienes

