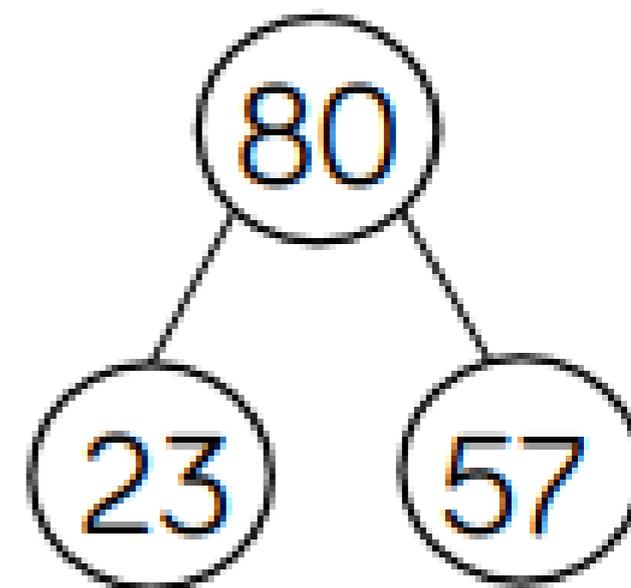
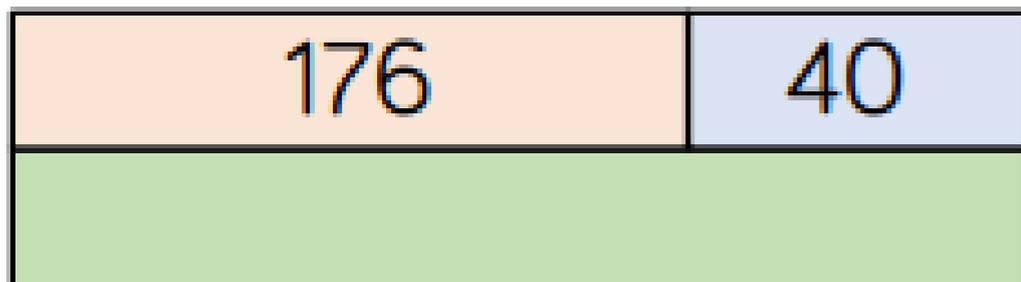


Welcome to Family Learning

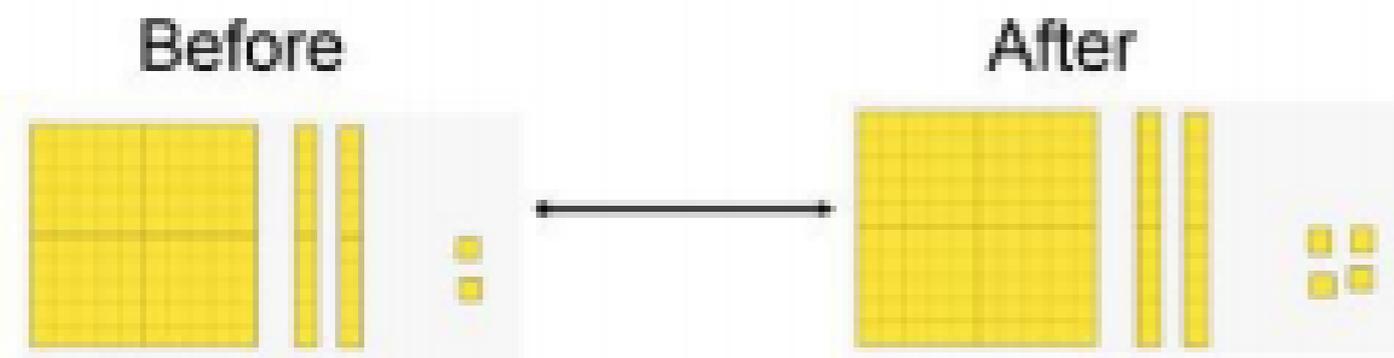
Maths – addition

What is the aim ?



Addition

There are multiple ways to solve a problem.



	2	5	1
+			4
	2	5	5

Warm up – Use your resources to show
10 more/100 more

Ten more

One hundred
more

13

19

30

47

51

87

100

125

In focus

How mathematicians _____

Kim has 232 Lego cards in her collection.
Tom gives her 19 more. How many does she
have altogether?

How many ways can you represent this?



Journalling

How many ways can you represent this?

8/10/2018
 How do mathematicians add ones with to hundreds with remaining?

In Focus
 8 children joined a group of 236 children.



How many children are there altogether?

1. $\begin{array}{c} (244) \\ / \quad \backslash \\ (236) \quad (8) \end{array}$ ✓

2. $\begin{array}{|c|c|c|} \hline 2 & 4 & 4 \\ \hline 2 & 3 & 6 & 8 \\ \hline \end{array}$ ✓

3. $\begin{array}{c} \cdot\cdot\cdot \\ \cdot\cdot\cdot \\ \cdot\cdot\cdot \end{array} + \begin{array}{|c|c|} \hline 100 & 100 \\ \hline \end{array} \begin{array}{|c|c|c|} \hline | & | & | \\ \hline \end{array} \begin{array}{c} \cdot\cdot\cdot \\ \cdot\cdot\cdot \end{array} = 244$
 101010 ✓

9/10/2018
 How do mathematicians add tens to hundreds with remaining?

In September, Sue had 765 stamps in her collection. During October, she collected 60 more. How many stamps has she got altogether?
 How many ways can you represent this?



1. $\begin{array}{|c|c|c|c|c|c|c|} \hline 100 & 100 & 100 & 100 & 100 & 100 & 100 \\ \hline \end{array} \begin{array}{|c|c|c|c|} \hline | & | & | & | \\ \hline \end{array} = 825$ ✓

2. $\begin{array}{|c|c|c|} \hline & 8 & 2 & 5 \\ \hline 6 & 0 & 7 & 6 & 5 \\ \hline \end{array}$ ✓

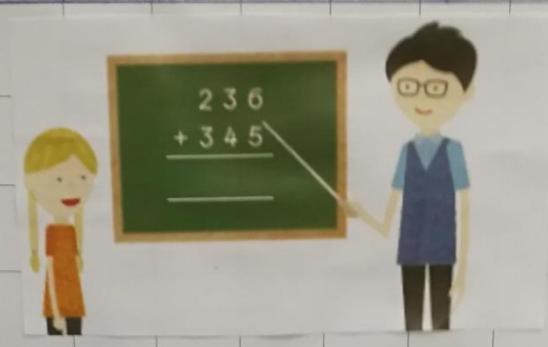
3. $\begin{array}{|c|c|c|c|} \hline 75 & 75 & 75 & 75 \\ \hline 15 & 15 & 15 & 15 \\ \hline \end{array}$ ✓

4. $\begin{array}{r} \text{HTO} \\ 765 \\ + 60 \\ \hline 825 \end{array}$ ✓

Anchor Chart

1 1 1 0 1

How do mathematicians



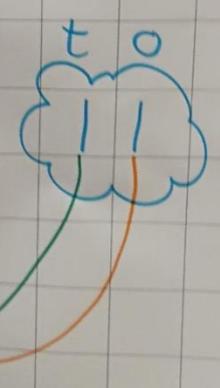
1.

100	100	10	10	10	6	=	236
100	100	100	10	10	10	5	= 345

2.

h	t	o
2	3	6
+	3	4
3	4	5
5	8	1

to



3

5	8	1
3	4	5
2	3	6

4. There are 236 coins and I get 345 more. How many do I have in total?

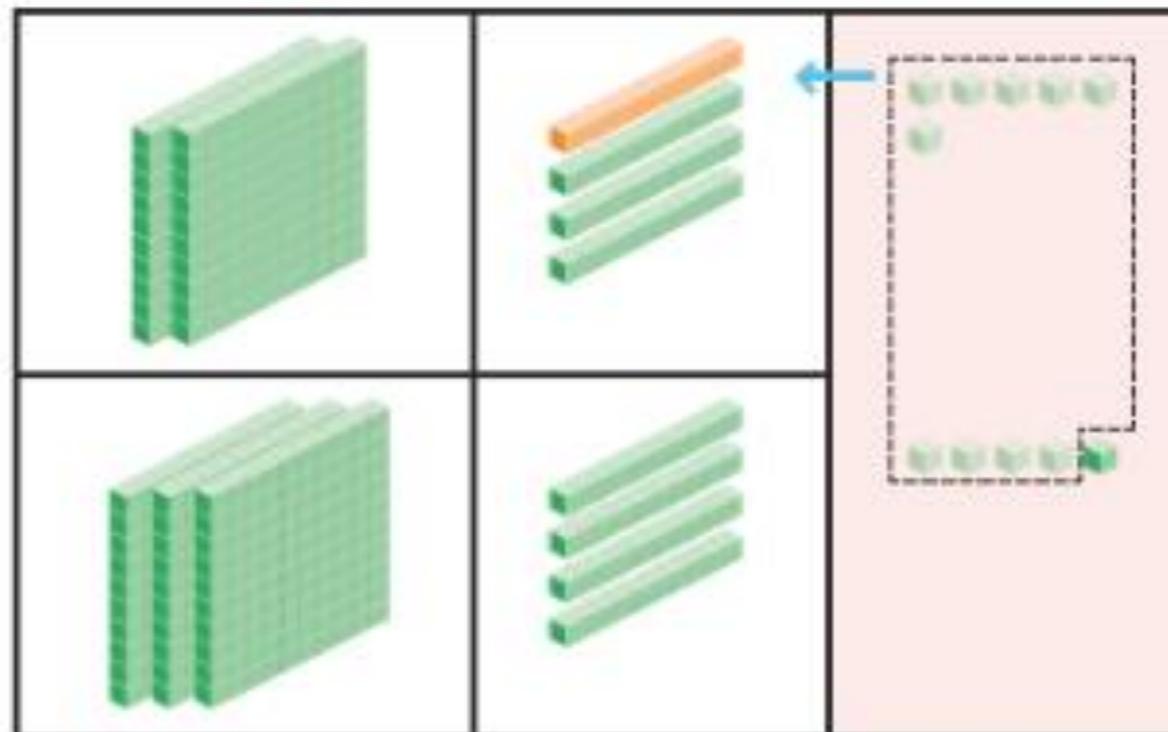
Read and Reflect

Let's Learn

Add 236 and 345.

Step 1 Add the ones.
 $6 \text{ ones} + 5 \text{ ones} = 11 \text{ ones}$
Regroup the ones.
 $11 \text{ ones} = 1 \text{ ten} + 1 \text{ one}$

Use  to help you add.



	h	t	o
	2	¹ 3	6
+	3	4	5
<hr/>			1
<hr/>			

Guided Practice

Guided Practice

1 Add.

(a) 423 and 135

$$\begin{array}{r} 423 \\ + 135 \\ \hline \square \\ \hline \hline \end{array}$$

(b) 423 and 138

$$\begin{array}{r} 423 \\ + 138 \\ \hline \square \\ \hline \hline \end{array}$$

2 Add.

(a) $234 + 155 = \square$

$$\begin{array}{r} 234 \\ + 155 \\ \hline \square \\ \hline \hline \end{array}$$

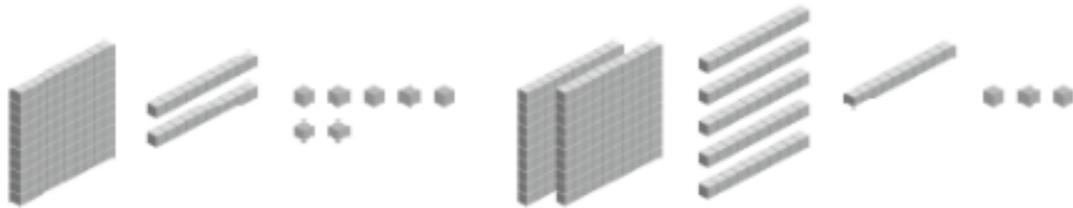
(b) $27 + 345 = \square$

$$\begin{array}{r} 27 \\ + 345 \\ \hline \square \\ \hline \hline \end{array}$$

Independent Application

1 Fill in the blanks.

(a) Add 127 and 263.



$$\square + \square = \square$$

(b) Add 338 and 246.



$$\square + \square = \square$$

(c) Add 675 and 219.



$$\square + \square = \square$$

2 Add.

(a)

	h	t	o
	1	6	8
+	1	0	9

(b)

	h	t	o
	2	3	4
+	1	3	7

(c)

	h	t	o
	4	2	9
+	3	3	3

(d)

	h	t	o
	5	5	6
+	3	1	6

(e)

	h	t	o
	6	6	8
+	2	2	4

(f)

	h	t	o
	7	5	5
+	2	3	6

In focus

How mathematicians _____

Kim has 232 Lego cards in her collection.
Tom gives her 19 more. How many does she
have altogether?

How many ways can you represent this?



Your turn!

$$186 + 15 =$$

$$234 + 36 =$$

$$429 + 73 =$$

$$556 + 66 =$$

Challenge

Explain the mistake Joey has made.

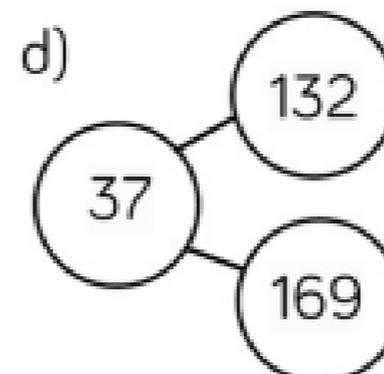
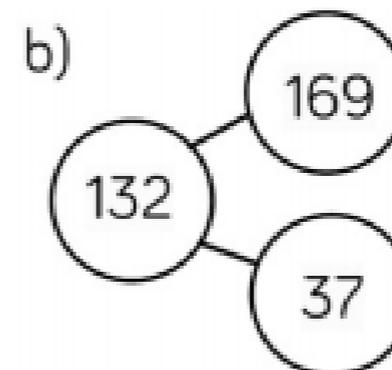
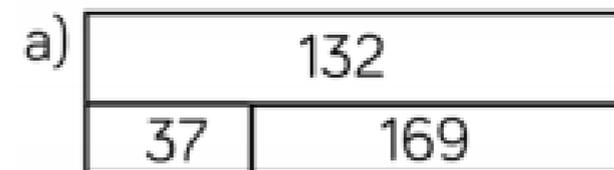
$$\begin{array}{r} \text{H T O} \\ 231 \\ + 63 \\ \hline \\ \hline \end{array}$$

Monica and Rachel have some sweets. Monica has 77 and Rachel has 121. They have written the calculation differently.

Monica	Rachel
$\begin{array}{r} 121 \\ + 77 \\ \hline \\ \hline \end{array}$	$\begin{array}{r} 77 \\ + 121 \\ \hline \\ \hline \end{array}$

Who is correct?

Emma has 169 sweets in a jar. She gave 37 to Ben. Which model represents this problem?



Explain the mistake Joey has made.

	H	T	O
	2	3	1
+	6	3	
<hr/>			
<hr/>			

Joey has put 63 in the wrong place value columns. The 6 is 6 tens but it is in the hundreds column. The 3 is 3 ones but it is in the tens column.

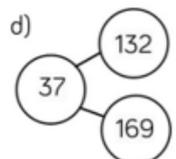
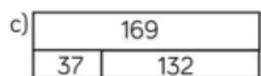
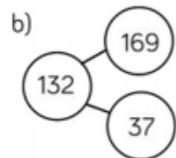
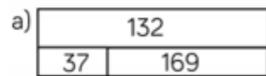
Monica and Rachel have some sweets. Monica has 77 and Rachel has 121. They have written the calculation differently.

Monica	Rachel
121	77
+ 77	+121
<hr/>	<hr/>

Who is correct?

Both are correct because addition can be added either way round, however we usually put the greater number first..

Emma has 169 sweets in a jar. She gave 37 to Ben. Which model represents this problem?



C is correct because $37 + 132 = 169$. 37 is a part, 132 is a part and 169 is the whole.

Thank you

Questions
and
Feedback forms