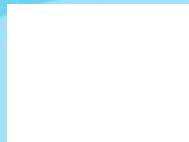




# Maths

Addition, Subtraction,  
Multiplication and Division

# Colour Me In



# Aim

- I can add and subtract numbers using a formal written method.

# Success Criteria

- I can add and subtract numbers with decimals.
- I can add and subtract increasingly larger numbers.
- I can use a formal written method.

# How Much?



Look at your Target Decimal Board.

**Target Decimal Board**

Add or subtract at least 2 numbers to find the lowest column total.

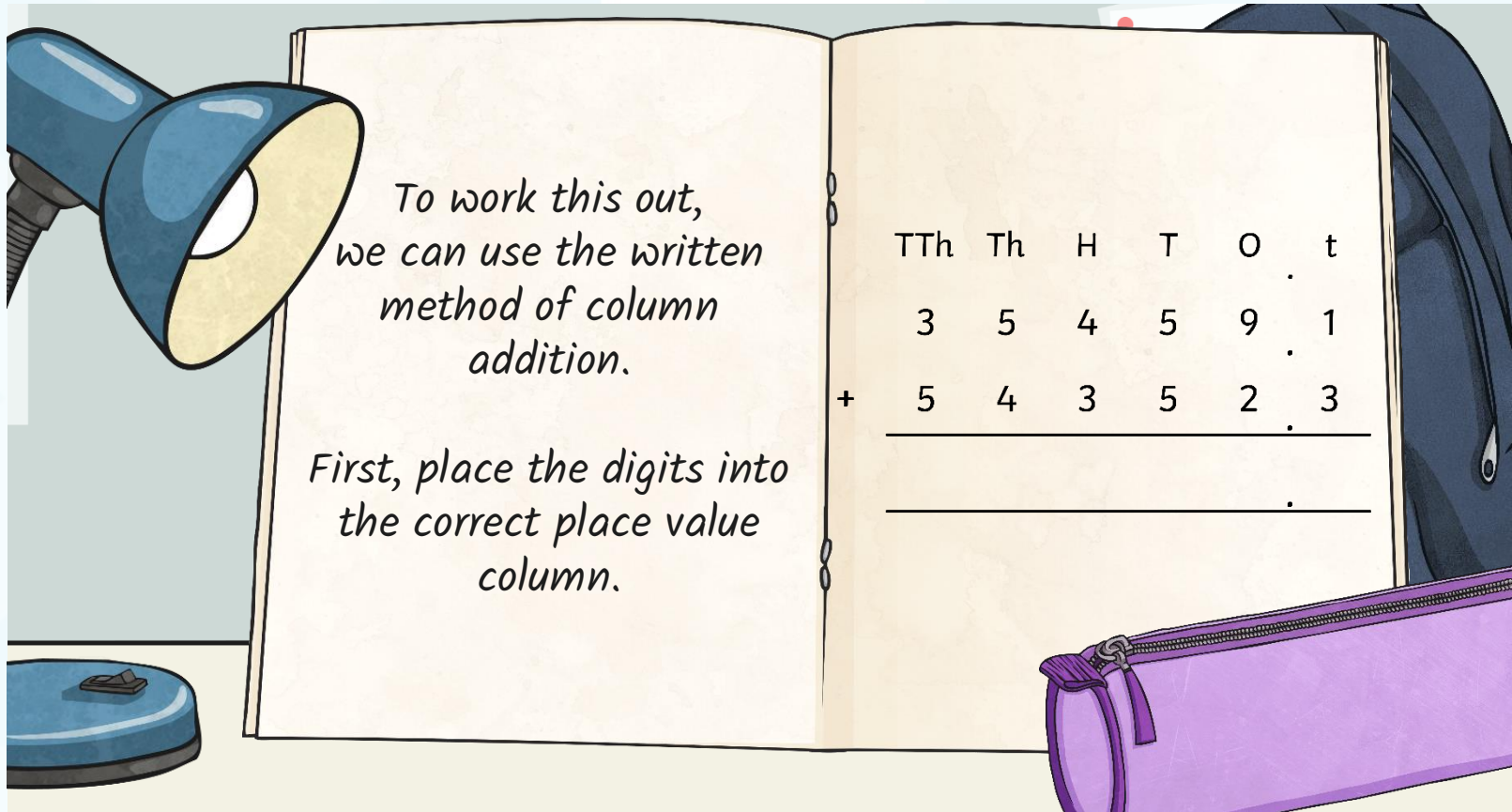
5.6			
19.63	12.88	4.765	3.25
5.13	53.87	32.81	1

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Maths | Year 6 | Addition

# Adding and Subtracting

We can use a formal written method to add or subtract numbers.  
We are going to look at  $35459.1 + 54352.3 =$  column addition and column subtraction.





# Adding and Subtracting

$$35\,459.1 + 54\,352.3 =$$

Next, look at the column with the lowest value. This is the tenths column.

Add together the numbers.

$$1 \text{ tenth} + 3 \text{ tenths} \\ = 4 \text{ tenths}$$

Place the 4 tenths in the answer section.

TTh	Th	H	T	O	t
3	5	4	5	9	1
+	5	4	3	5	2
					3
					4

# Adding and Subtracting

$$35\,459.1 + 54\,352.3 =$$

Next, look at the next column with the lowest value.

This is the ones column. Place the 1 one in the answer section and show the regrouped 1 ten by adding together the numbers, placing a 1 under the tens column.

9 ones + 2 ones = 11 ones

Regroup the 11 ones into 1 ten and 1 one.

TTh	Th	H	T	O	t
3	5	4	5	9	1
+	5	4	3	5	2
					3
					1
					4

# Adding and Subtracting

$$35\,459.1 + 54\,352.3 =$$

Next, look at the next column with Regroup the 11 tens the lowest value. This is the tens 1 ten. column.

Place the 1 ten in the answer section and show not forgetting the 1 ten that the regrouped 1 hundred by was regrouped. placing a 1 under the hundreds column.  
5 tens + 5 tens + 1 ten = 11 tens

TTh	Th	H	T	O	t
3	5	4	5	9	1
5	4	3	5	2	3
<hr/>					
			1	1	4
<hr/>					
		1	1		



# Adding and Subtracting

$$35\,459.1 + 54\,352.3 =$$

Next, look at the next column with the lowest value. This is the hundreds column.

Write this in the answer section. Add together the numbers, not forgetting the 1 hundred that was regrouped.

$$4 \text{ hundreds} + 3 \text{ hundreds} + 1 \text{ hundred} = 8 \text{ hundreds}$$

TTh	Th	H	T	O	t
3	5	4	5	9	1
+	5	4	3	5	2
<hr/>					
		8	1	1	4
<hr/>					
		1	1		

# Adding and Subtracting

$$35\,459.1 + 54\,352.3 =$$

Next, look at the next column with the lowest value. This is the thousands column.

Add together the numbers.

$$5\text{ thousands} + 4\text{ thousands} = 9\text{ thousands}$$

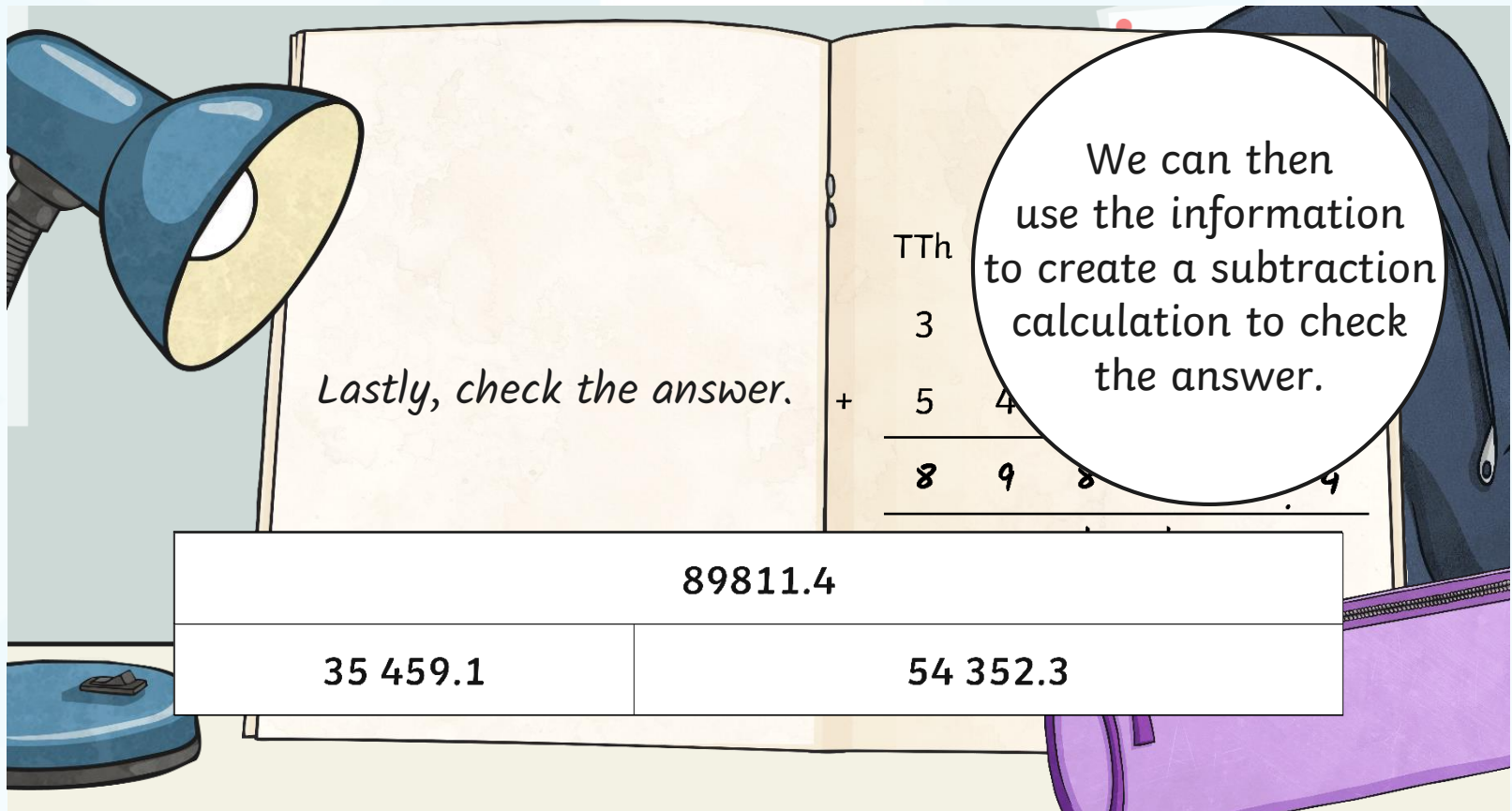
Write this in the answer section.

TTh	Th	H	T	O	t
3	5	4	5	9	1
+	5	4	3	5	2
<hr/>					
	9	8	1	1	4
<hr/>					
		1	1		



# Adding and Subtracting

$$35\,459.1 + 54\,352.3 = 89\,811.4$$





# Adding and Subtracting

Let's try a different calculation.

To find the difference, it is best to use the written method of column subtraction.

	H	T	O	.	t	h
	5	6	4	.	5	9
-	2	7	2	.	7	4
<hr/>						
<hr/>						



# Adding and Subtracting

$$564.59 - 272.74 =$$

We start by subtracting from the column with the smallest value. This is the hundredths column.

	H	T	O	.	t	h
	5	6	4	.	5	9
-	2	7	2	.	7	4
<hr/>						5
<hr/>						.

# Adding and Subtracting

$$564.59 - 272.74 =$$

We need to exchange 1 one from the ones column for 10 tenths and regroup these into the tenths column. Next, look at the tenths column. We have 5 tenths and we need to subtract 7 tenths. We can't do this, so we borrow 1 one from the ones column and 3 ones in the ones column.

H	T	O	.	t	h
		3		1	
	5	6	4	5	9
-	2	7	2	7	4
				8	5

# Adding and Subtracting

$$564.59 - 272.74 =$$

Next, look at the next column with the lowest value. This is the ones column. Place the answer ~~in the~~ <sup>ones</sup> section.

	H	T	O	t	h
			<sup>3</sup>	<sup>1</sup>	
	5	6	<del>4</del>	5	9
-	2	7	2	7	4
				.	
			1	8	5

# Adding and Subtracting

$$564.59 - 272.74 =$$

We need to exchange 1 hundred from the hundreds column and show it as 10 tens in the tens column. Next, look at the tens column with the 10 tens and the 6 tens. These 16 tens are 1 hundred and 6 tens. This involves borrowing 1 hundred from the hundreds column and 10 tens from the tens column.

	H	T	O	t	h
	4	1	3	1	
	<del>5</del>	6	<del>4</del>	5	9
-	2	7	2	7	4
	9	1	8	5	



# Adding and Subtracting

$$564.50 - 272.74 = 291.85$$

Last, look at the remaining column.  
~~1 hundred~~ ~~5 tens~~ ~~2 hundreds~~ ~~2 tens~~ ~~4 hundreds~~  
 This is the hundreds column.

	H	T	O	t	h
	<del>5</del>	6	<del>4</del>	5	9
-	2	7	2	7	4
	2	9	1	8	5



# Adding and Subtracting

$$564.59 - 272.74 = 291.85$$

Please answer

We can then use the information to create an addition calculation to check the answer.

T O t h

564.59	
272.74	291.85

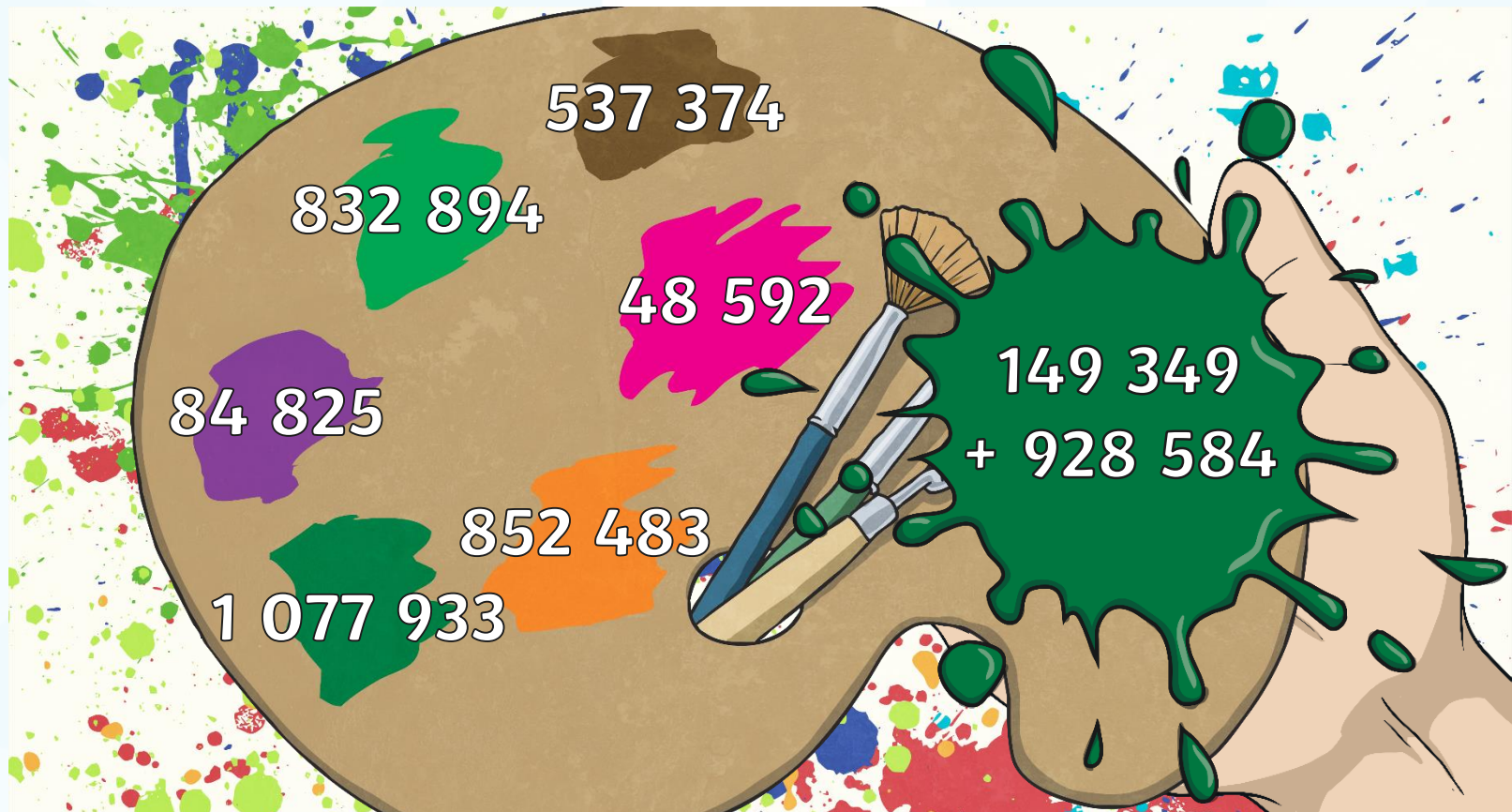
9 1 . 8 5

Detailed description: An illustration of a woman with her hair in a bun, wearing a blue sweater, standing behind a clipboard. The clipboard has a white sheet of paper with a math problem. A speech bubble from the woman says, 'We can then use the information to create an addition calculation to check the answer.' Below the speech bubble, the text 'Please answer' is written. The math problem is a subtraction: 564.59 minus 272.74 equals 291.85. The numbers are arranged in a table-like format. Below the subtraction, the words 'T O t h' are written, with '3' under 'T' and '1' under 'O'. At the bottom of the page, the numbers '9 1 . 8 5' are written, with a horizontal line underneath.

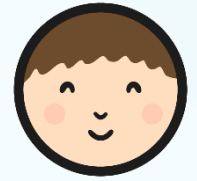
# Making Colours



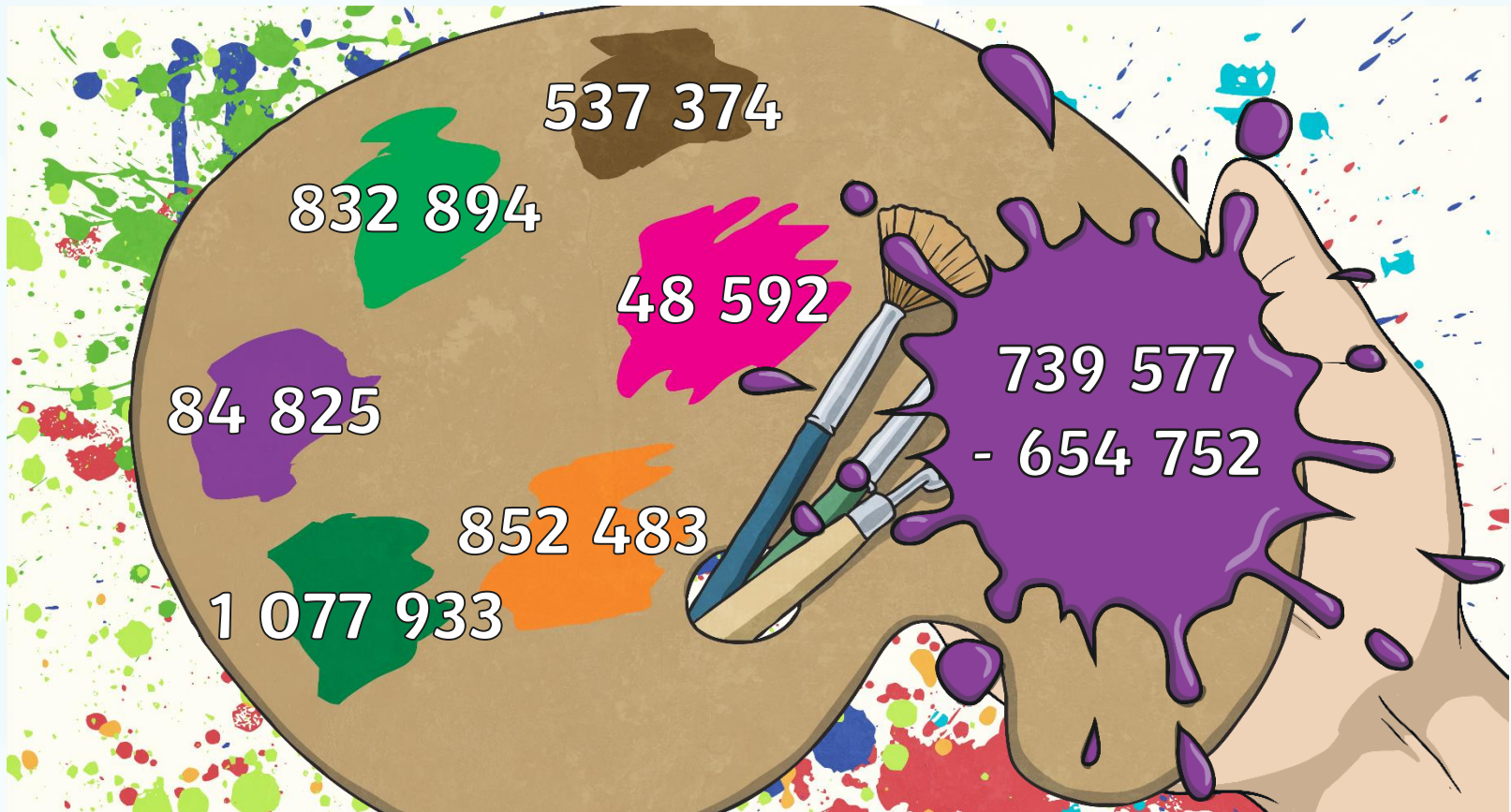
Complete the calculation to find out which colour the artist has made.



# Making Colours

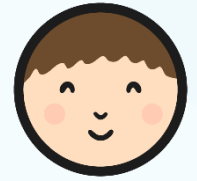


Complete the calculation to find out which colour the artist has made.

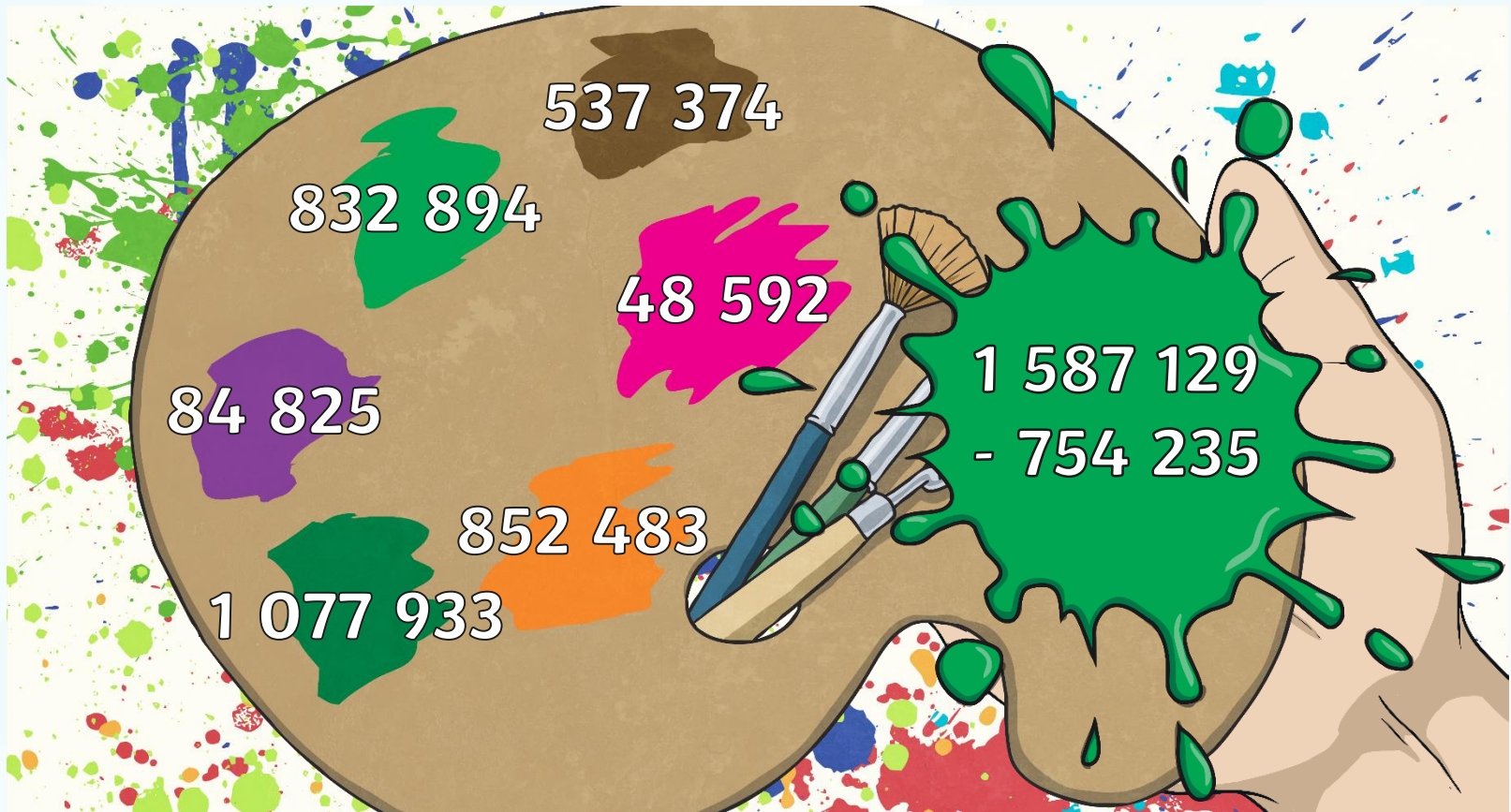




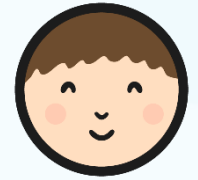
# Making Colours



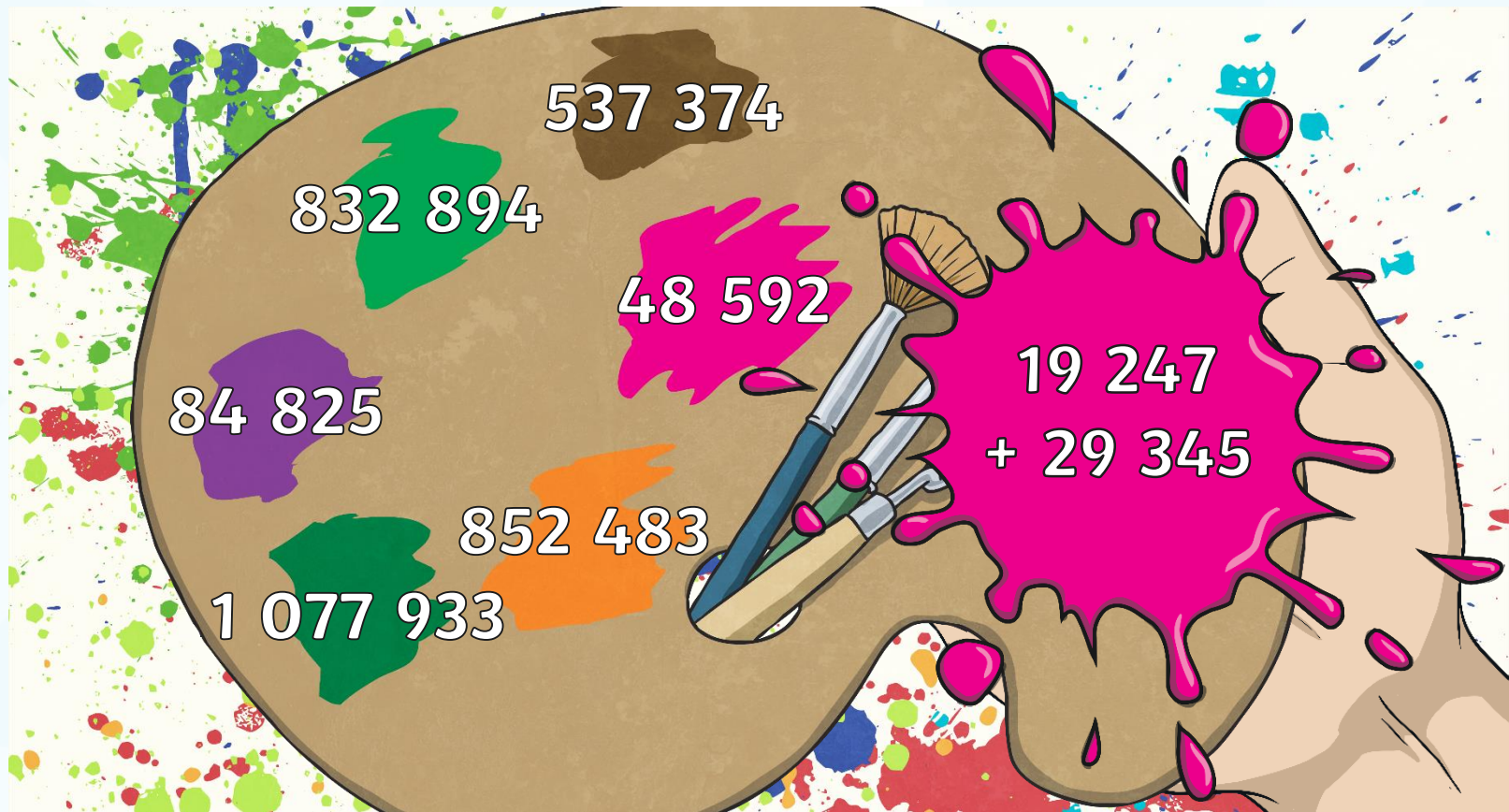
Complete the calculation to find out which colour the artist has made.



# Making Colours

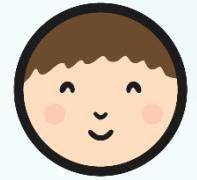


Complete the calculation to find out which colour the artist has made.

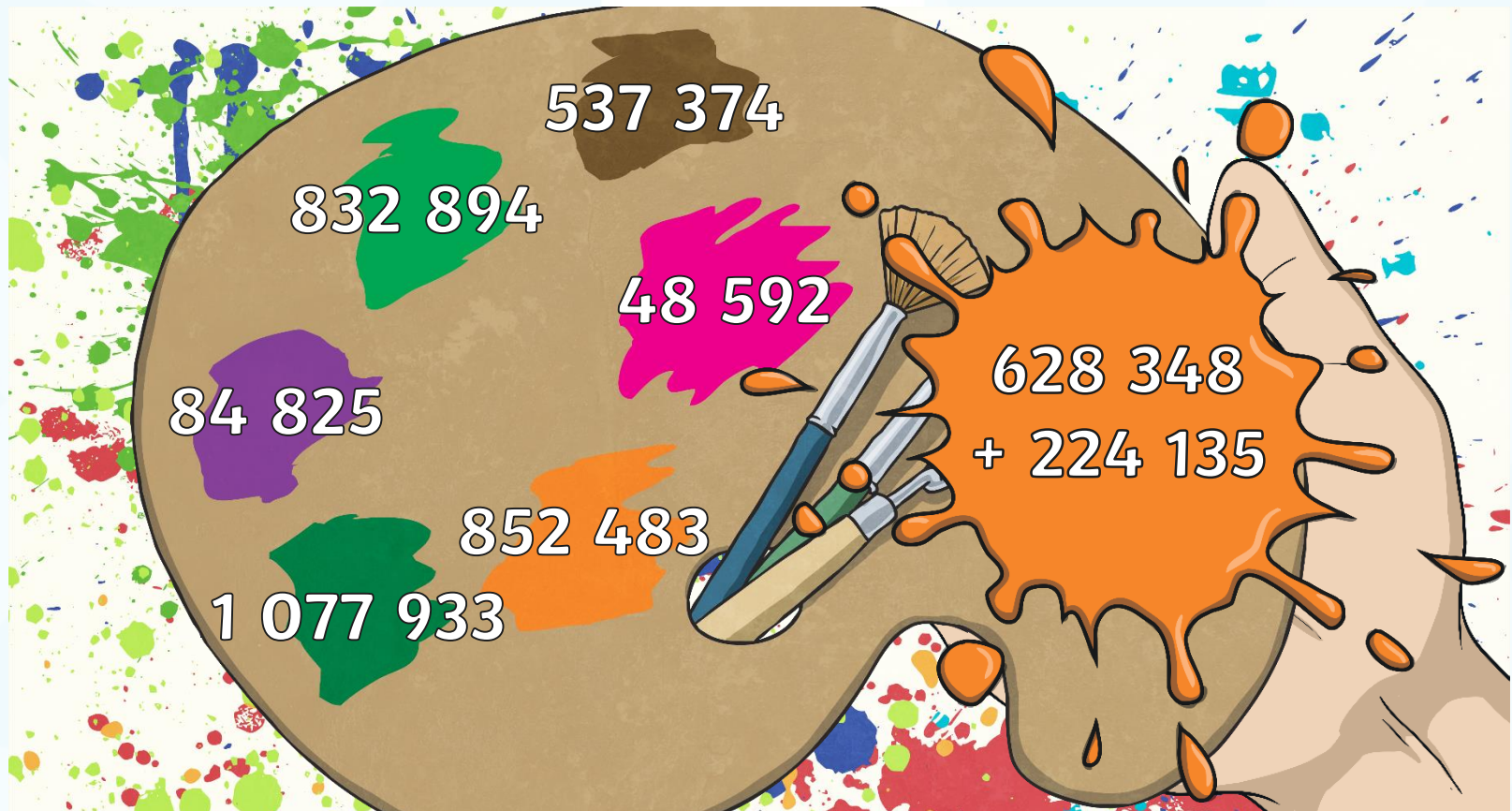




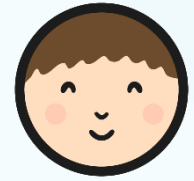
# Making Colours



Complete the calculation to find out which colour the artist has made.



# Colour Me In



Use your marvellous maths skills to complete these activity sheets:



★ ★ ★

I can add.

Complete the calculation in each area of the picture. Use the key to colour each area.

$123\ 965\ 49$ $+ 584\ 972\ 18$ $+ 5\ 555\ 65$	1 57
$371\ 049\ 47 + 468\ 345\ 45$	4

$123\ 965\ 49$ $+ 584\ 972\ 18$ $+ 5\ 555\ 65$	1 57
$371\ 049\ 47 + 468\ 345\ 45$	4

Light Blue	650 000 – 699 999
Dark Blue	700 000 – 749 999
Orange	750 000 – 799 999
Green	800 000 – 850 000
Red	850 001 – 900 000
Yellow	900 001 +

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★ ★ ★

I can add.

Complete the calculation in each area of the picture. Use the key to colour each area.

$718\ 305 + 8792$ $+ 98\ 347$	976
$418\ 401 + 254\ 082$	193

Light Blue	650 000 – 699 999
Dark Blue	700 000 – 749 999
Orange	750 000 – 799 999
Green	800 000 – 850 000
Red	850 001 – 900 000
Yellow	900 001 +

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★

## Colour Me In

I can add and subtract numbers using a formal written method.

Complete the calculation in each area of the picture. Use the key to colour each area.

$487\ 201$ $+ 406\ 392$	$186\ 949$ $+ 486\ 524$	$502\ 070$ $+ 482\ 314$	$1\ 755\ 554$ $- 972\ 269$
$529\ 492$ $+ 295\ 952$	$1\ 258\ 658$ $- 383\ 202$	$467\ 895$ $+ 330\ 469$	$247\ 205$ $+ 567\ 287$
$1\ 598\ 268$ $- 759\ 071$	$1\ 876\ 255 - 683\ 821$	$875\ 265 - 126\ 872$	$956\ 225$ $204\ 832$

Light Blue	650 000 – 699 999
Dark Blue	700 000 – 749 999
Orange	750 000 – 799 999
Green	800 000 – 850 000
Red	850 001 – 900 000
Yellow	900 001 +

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Maths Year 6 - Addition, Subtraction, Multiplication and Division | Order of Operations | Lesson 2 of 2: Colour Me In

# Painting By Numbers



Choose a calculation to complete.  
Can you guess the artist of the painting before it is fully revealed?

$\begin{array}{r} 294\ 592 \\ + 598\ 492 \\ \hline \end{array}$	$\begin{array}{r} 1\ 395\ 394 \\ - 738\ 482 \\ \hline \end{array}$	$\begin{array}{r} 592\ 925 \\ + 248\ 384 \\ \hline \end{array}$
$\begin{array}{r} 105\ 204 \\ + 291\ 952 \\ \hline \end{array}$	$\begin{array}{r} 589\ 592 \\ + 295\ 294 \\ \hline \end{array}$	$\begin{array}{r} 592\ 492 \\ - 259\ 945 \\ \hline \end{array}$
$\begin{array}{r} 5\ 294\ 295 \\ + 29\ 592 \\ \hline \end{array}$	$\begin{array}{r} 2\ 959\ 482 \\ + 294\ 592 \\ \hline \end{array}$	$\begin{array}{r} 5\ 294\ 492 \\ - 259\ 258 \\ \hline \end{array}$



# Painting By Numbers



Choose a calculation to complete.  
Can you guess the artist of the painting before it is fully revealed?

$\begin{array}{r} 48\ 294 \\ + 295\ 593 \\ \hline \end{array}$	$\begin{array}{r} 587\ 592 \\ + 384\ 583 \\ \hline \end{array}$	$\begin{array}{r} 57\ 284 \\ + 29\ 492 \\ + 49\ 294 \\ \hline \end{array}$
$\begin{array}{r} 105\ 204 \\ + 8424 \\ \hline \end{array}$	$\begin{array}{r} 58\ 294 \\ - 28\ 582 \\ \hline \end{array}$	$\begin{array}{r} 893\ 963 \\ - 285\ 238 \\ \hline \end{array}$
$\begin{array}{r} 1\ 493\ 493 \\ + 49\ 492 \\ \hline \end{array}$	$\begin{array}{r} 3\ 484\ 482 \\ - 249\ 349 \\ \hline \end{array}$	$\begin{array}{r} 5824 \\ + 4925 \\ + 2945 \\ \hline \end{array}$

# Painting By Numbers



Choose a calculation to complete.  
Can you guess the artist of the painting before it is fully revealed?

$\begin{array}{r} 69\ 252 \\ - 28\ 353 \\ \hline \end{array}$	$\begin{array}{r} 589\ 294 \\ - 295\ 854 \\ \hline \end{array}$	$\begin{array}{r} 583\ 225 \\ - 184\ 592 \\ \hline \end{array}$
$\begin{array}{r} 8629 \\ + 2953 \\ + 19\ 495 \\ \hline \end{array}$	$\begin{array}{r} 5825 \\ + 19\ 485 \\ + 294\ 549 \\ \hline \end{array}$	$\begin{array}{r} 592\ 294 \\ + 91\ 492 \\ \hline \end{array}$
$\begin{array}{r} 582\ 592 \\ - 183\ 582 \\ \hline \end{array}$	$\begin{array}{r} 98\ 592 \\ - 2954 \\ - 4958 \\ \hline \end{array}$	$\begin{array}{r} 959\ 553 \\ + 592\ 925 \\ + 59\ 295 \\ \hline \end{array}$



# Painting By Numbers



Choose a calculation to complete.  
Can you guess the artist of the painting before it is fully revealed?

$\begin{array}{r} 682\ 592 \\ + 115\ 445 \\ \hline \end{array}$	$\begin{array}{r} 5\ 294\ 294 \\ + 994\ 584 \\ \hline \end{array}$	$\begin{array}{r} 592\ 295 \\ - 295\ 445 \\ \hline \end{array}$
$\begin{array}{r} 592\ 952 \\ - 295\ 295 \\ \hline \end{array}$	$\begin{array}{r} 959.49 \\ - 294.59 \\ \hline \end{array}$	$\begin{array}{r} 485\ 285.5 \\ - 29\ 449.9 \\ \hline \end{array}$
$\begin{array}{r} 5925.5 \\ + 29\ 294.5 \\ \hline \end{array}$	$\begin{array}{r} 950.54 \\ + 295.59 \\ \hline \end{array}$	$\begin{array}{r} 58\ 294.7 \\ - 28\ 294.4 \\ \hline \end{array}$

# Aim



- I can add and subtract numbers using a formal written method.

# Success Criteria

- I can add and subtract numbers with decimals.
- I can add and subtract increasingly larger numbers.
- I can use a formal written method.

