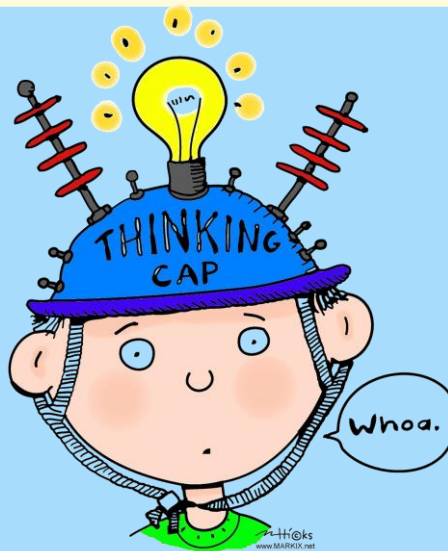


WALT add decimals with up to three decimal places.

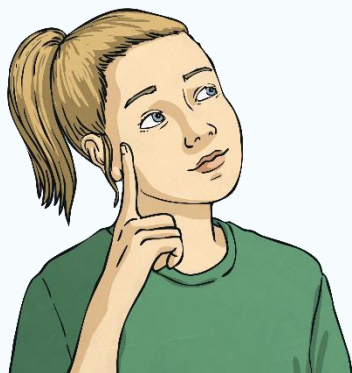
WILF:

- Use your knowledge of addition
- Use your knowledge of place value.
- Solve problems involving number up to three decimal places.








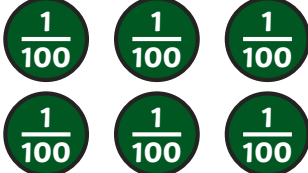
Adding decimals is the same as adding other numbers – we use our place value to line them up in column method.

Use the place value chart to help you complete the calculation.



	3	.	4	2
+	3	.	3	6
		.		8



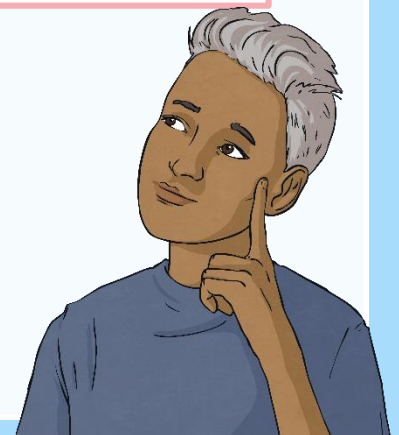
Ones	tenths	hundredths
		
		

Adding Decimals with the Same Number of Decimal Places

Use the column method to solve these calculations.

	8	.	4	6
+	1	.	4	9
<hr/>				
		.		

	5	2	.	5	7
+	2	4	.	7	9
<hr/>					
			.		



Adding Decimals with the Same Number of Decimal Places

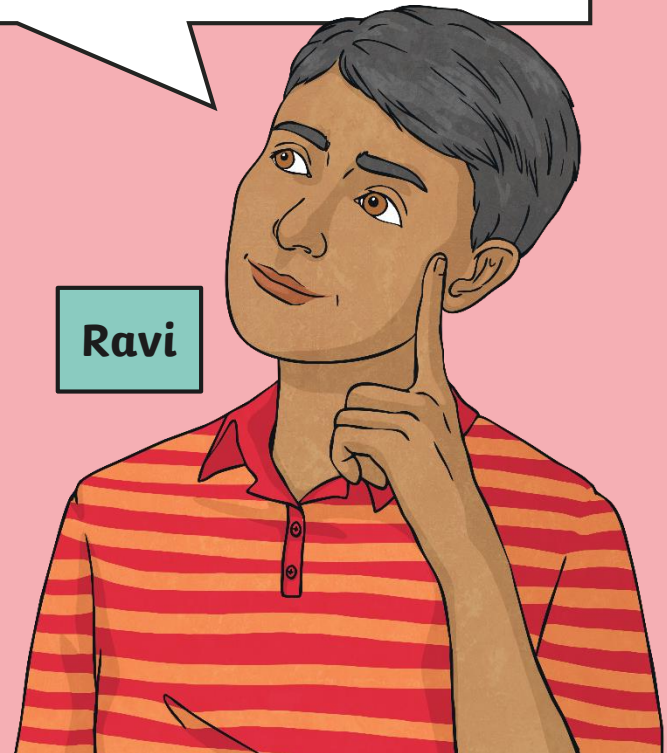
Do you agree with Ravi? Explain your reasoning.

	4	.	5	2
+	2	.	8	3
	7	.	3	5

1

The answer is wrong because the ones digit should be a 6.

Ravi



Adding Decimals with the Same Number of Decimal Places

Do you agree with Ravi? Explain your reasoning.

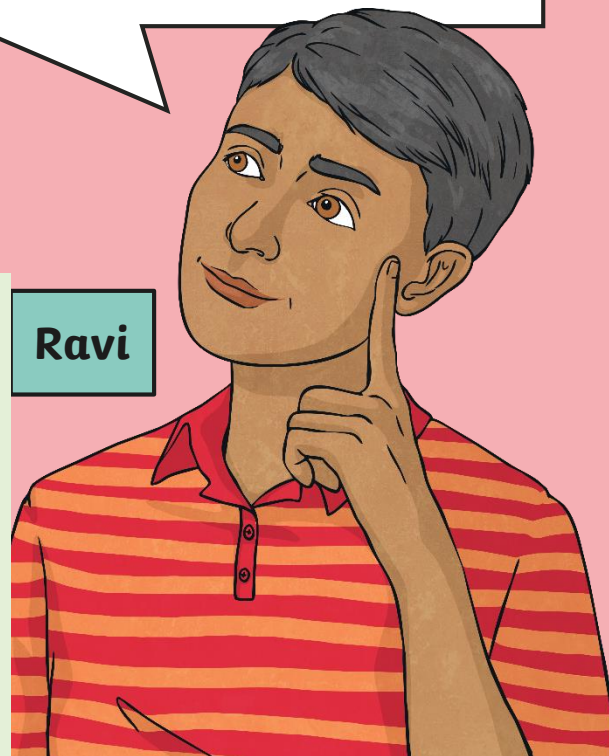
	4	.	5	2
+	2	.	8	3
	7	.	3	5

Ravi is incorrect – the answer shown is correct. The digits in the tenths column add to make 13 tenths, so 10 tenths are exchanged for 1 one, making the ones column total 7.

However, they forgot to write the small 1 to show that the tenths have been exchanged for a one.

The answer is wrong because the ones digit should be a 6.

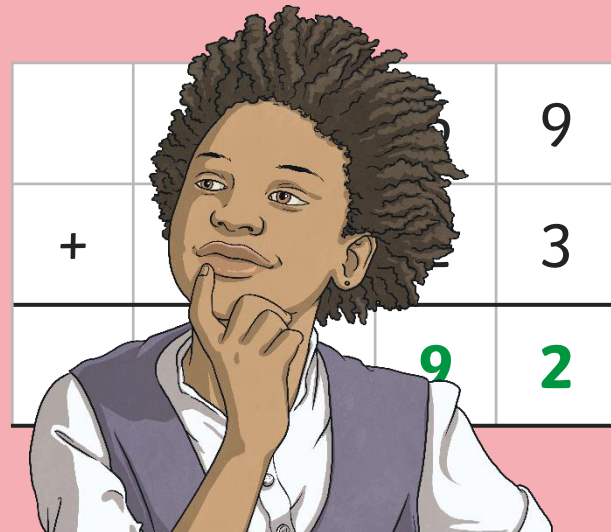
Ravi



Adding Decimals with the Same Number of Decimal Places

Frances has been practising column addition using decimals. Can you explain and correct her error?

	4	.	6	9
+	3	.	2	3
<hr/>				
	8	.	8	2
<hr/>				
	1			

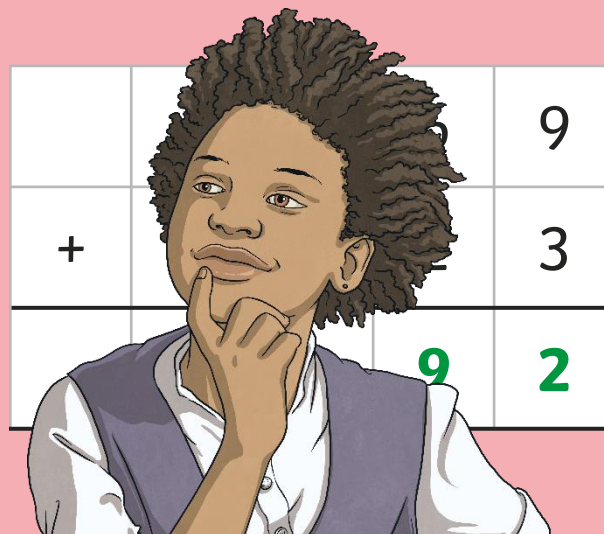


Adding Decimals with the Same Number of Decimal Places

Frances has been practising column addition using decimals. Can you explain and correct her error?

	4	.	6	9
+	3	.	2	3
<hr/>				
	8	.	8	2

1



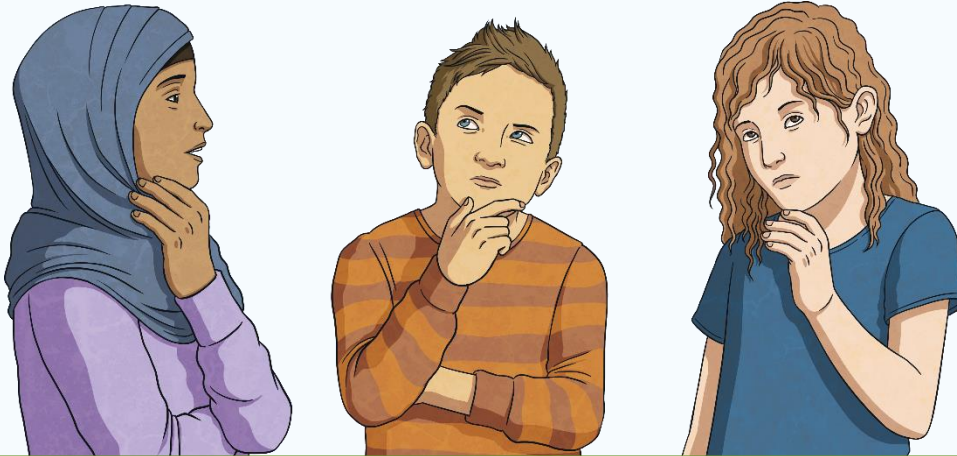
Frances has added 9 hundredths and 3 hundredths to make 12 hundredths. However, she has written the 1 in the wrong column, which means that she has incorrectly exchanged 10 hundredths for 1 one instead of 1 tenth.



Adding Decimals with the Same Number of Decimal Places

Deepest



Find two different ways to complete this calculation:



	5	.	4	7
+	2	.		2
	8	.		9

There are four possible answers:

	5	.	4	7
+	2	.	6	2
	8	.	0	9

	5	.	4	7
+	2	.	7	2
	8	.	1	9

	5	.	4	7
+	2	.	8	2
	8	.	2	9

	5	.	4	7
+	2	.	9	2
	8	.	3	9

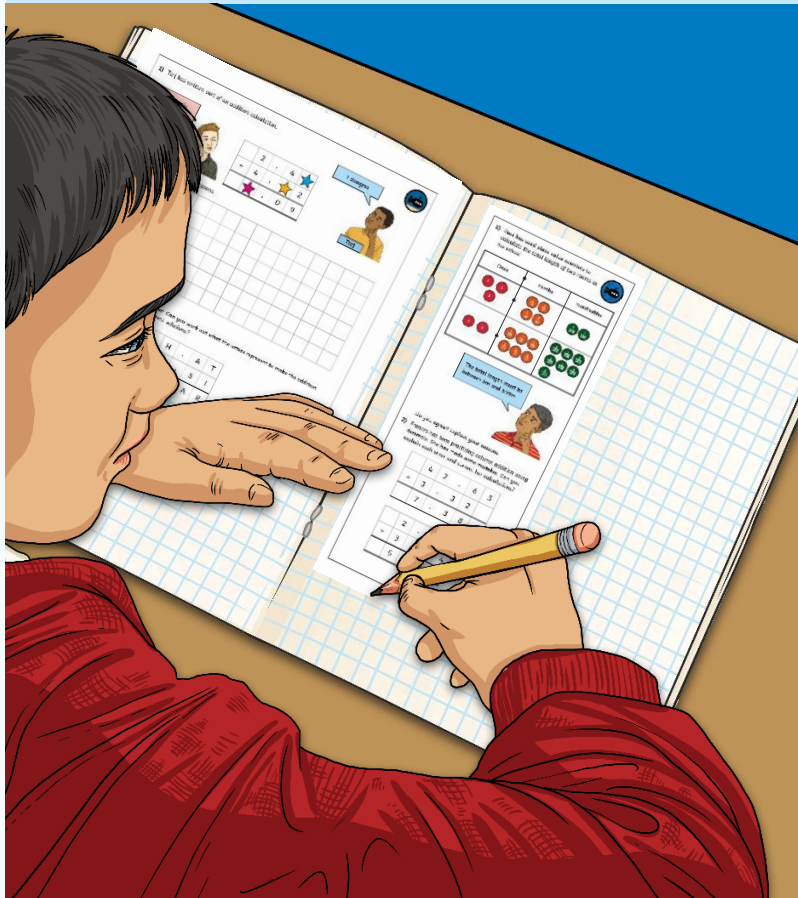
Note: If they do not have the same number of decimal places, you can add 0 as a place holder.

$$1.2 + 2.13 =$$

	1	.	2	0
+	2	.	1	3
		.		

Complete the calculation.

Time to complete your own activity – do as much as you can.



1) Use the place value chart to help you complete the calculation.

Ones

2) Use the column method to solve these calculations.

a)

	7	.	5	2
+	1	.	2	9

b)

	6	5	.	8	3
+	3	1	.	4	5

3) Tanya climb climb in total?

1) Ravi has use calculate the his school.

Ones	tenths	hundredths

2) Use the column method to solve these calculations.

a)

	7	.	5	2
+	1	.	2	9

b)

	6	5	.	8	3
+	3	1	.	4	5

3) Tanya climb climb in total?

There are altogether length m 5m and 5