

To be able to add together 5-digit and 4-digit numbers **MathShed**

Starter:
What's the same? What's different?

CCLXII
five thousand, one hundred and sixty-two

Explain your answer.

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Activity 1:
Use a place value chart and mathematical equipment to complete:

	TTH	TH	H	T	O
	1	2	8	7	9
+		3	8	4	1

	TTH	TH	H	T	O
	4	9	9	1	9
+		6	9	0	5

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Activity 2:
Jamal, Yasmin and Chen have been playing Maths Shed. Jamal has 4,579 points, Yasmin has 5,437 points and Chen has 11,987 points.

- How many points do Jamal and Yasmin have combined?
- How many points do Jamal and Chen have combined?
- How many point do Yasmin and Chen have combined?
- How many points do Jamal, Yasmin and Chen have altogether?

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Activity 3:
Figure out and fill in the missing digits within the calculations below.

	TH	H	T	O
	2		7	9
+	3	8		5
		7	6	

	TTH	TH	H	T	O
		8	9		9
+	1	5		0	8
	6		8	1	

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Activity 4:
I have made the following number on my place value chart.
I move one counter from one of the columns three places to the left.

thousands			ones		
H	T	O	H	T	O
	●●●●	●		●●	●●●●

When I add my new number to the original number, I get the total 112,058.
Which counter has been moved? What are the two part numbers?

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Evaluation:

When you add two even numbers together, you don't have to make an exchange.

Is Astroe's statement always, sometimes or never true?
Is it a helpful way to think about when an exchange is needed?
Provide example addition calculations to help you explain your response.