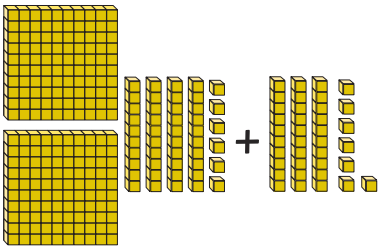
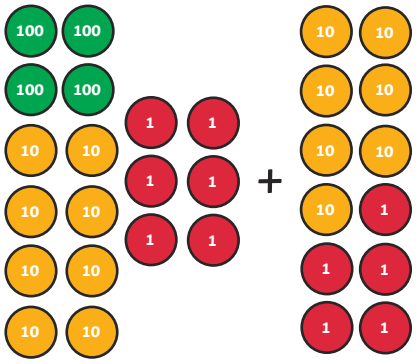
1) Use the representations to help you solve each calculation.



246 + 37 =

685	43

685 + 43 =



486 + 75 =

2) Complete these calculations using column addition.

a)

	2	5	8
+		3	4

b)

	3	9	3
+		2	6

c)

	5	8	7
+		6	5

3) Use < or > to compare these calculations.

	4	3	5	< or >	
+		2	6		567 + 78

	4	3	5	< or >		5	6	9
+		8	4		+		9	2

626 + 91				< or >		3	0	2
					+		9	9

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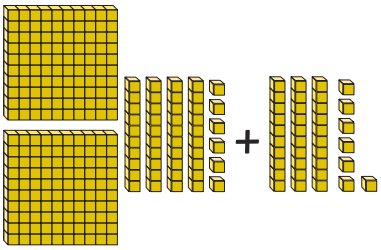

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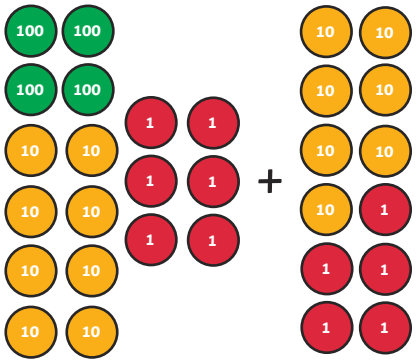

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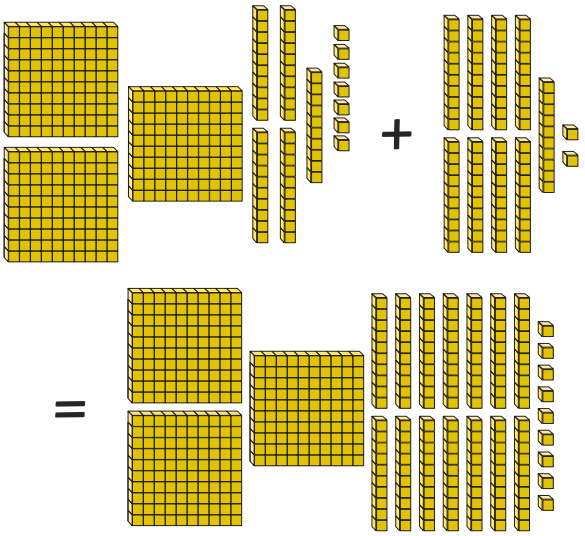
 **Hot dinner:**	**357**
 **Sandwich:**	**92**

David, Khalisa and Jackson used different representations to calculate the total number of school dinners ordered on Monday. Explain and correct any mistakes they have made.

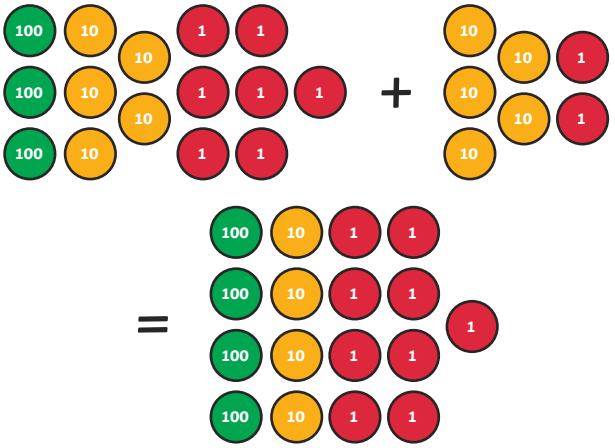
a) David

$$\begin{array}{r} {}^{1}3\ 5\ 7 \\ +\ 9\ 2 \\ \hline 1\ 2\ 7\ 7 \end{array}$$

b) Khalisa



c) Jackson



2) David thinks that, when adding any 2-digit number and any 3-digit number, he will only need to regroup once. Is he correct? Explain your answer.

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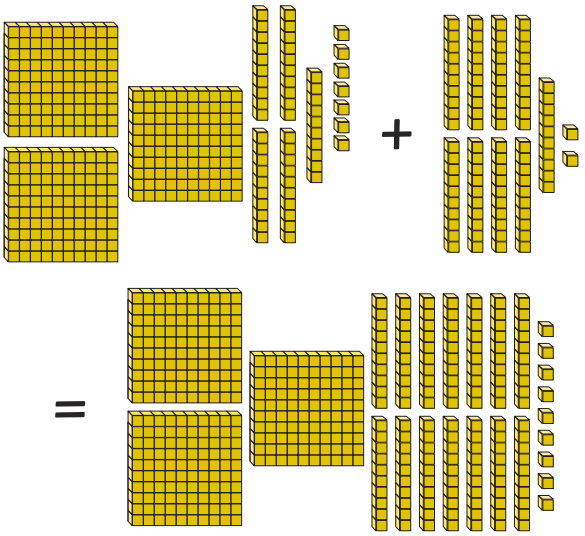

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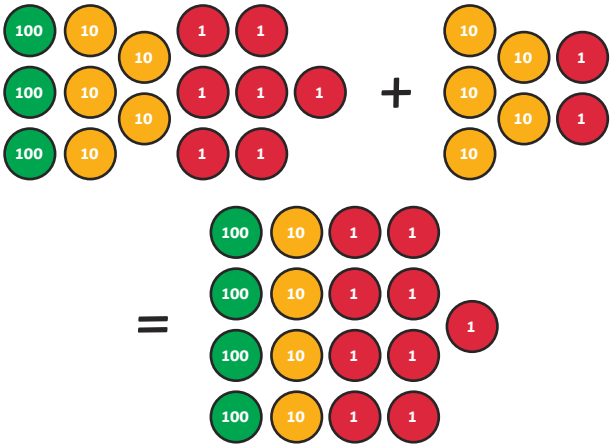

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1) Khalisa has written part of an addition calculation.

David says, "There is only one possible correct answer." Khalisa disagrees with him and thinks that there could be more than one correct answer.

How many different ways can you find to complete the calculation correctly?

	6	☐	3
+		☐	2
	7	3	5
	1		

2) How many different ways can you find to complete this calculation?

Which ways include regrouping, and which ways do not?

Which ways include more than one lot of regrouping?

	8	☐	3
+		6	☐
	9	4	☐
	1		

3) Now write a missing number addition including multiple lots of regrouping for a friend to solve!

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