# Reasoning and Problem Solving Add More Than 4-Digits

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#### **Developing**

1a. Gary is correct because his total income was £21,275 which is greater than £20,000. Jay's income was £19,670.

2a. Various answers, for example:

	1,000s	100s	10s	1s
		• • •	•	•••
+	**	••	•••	••
1	2	1	9	8

3a. Steph's answer should be 32,215. She has forgotten to exchange the ten hundreds into the thousands column.

# **Expected**

4a. Alan is correct because £28,568 + £7,099 = £35,667 which is greater than Oscar's total of £33,944.

5a. Various answers, for example:

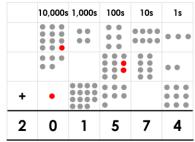
 -	2	•••	8	6
•••	••	•	•••	••
••	***	••	•••	•
10,000s	1,000s	100s	10s	1s

6a. Jaiden's answer should be 102,210. He has forgotten to add the one hundred that he has exchanged from the tens column.

# **Greater Depth**

7a. Gabby is correct because her total was £78,357. Sandy's income was £78,605 which is £248 higher than Gabby's.

8a. Various answers, for example:



9a. Steve's answer should be 102,210. He has added the digits in the hundreds column up incorrectly.

#### **Developing**

1b. Jody is correct because her total income was £17,834 which is £3 less than Lynette's income of £17,837.

2b. Various answers, for example:

	3	9	6	4	1
+	•	***	•••	• •	• • •
	••	•••	•••	•	***
	10,000s	1,000s	100s	10s	1s

3b. Phil's answer should be 49,683. In the hundreds column, he has exchanged twenty tens (200) instead of ten tens (100).

#### **Expected**

4b. Emma is correct because £30,837 + £10,865 = £41,702 which is greater than Susie's total of £37,155.

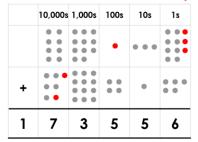
5b. Various answers, for example:

	10,000s	1,000s	100s	10s	1s
	••	• • •	••	•••	••
+	•••	•••	••	•	
1	0	0	4	4	2

6b. Tilly's answer should be 115,730. In the hundreds column, she has exchanged twenty tens (200) instead of ten tens (100).

### <u>Greater Depth</u>

7b. Mike is correct because £65,363 + £6738 = £72,101 which is Mike's total income. Danny's income was £65,363. 8b. Various answers, for example:



9b. Giselle's answer should be 115,730. In the hundreds column, she has exchanged twenty tens (200) instead of ten tens (100).



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