

Bronze

1a. $26,472 + 12,484 = 38,956$

2a. True

3a. A = 11,797 B = 11,858

4a. i) 64,435 ii) 76,355

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:

	10,000s	1,000s	100s	10s	1s
	●●	●●●●	●●●●	●	●●●●●
+	●	●●●●	●●●●	●●	●●●●
	3	9	6	4	1

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

Silver

5a. $43,582 + 7,403 = 50,985$

6a. False as $65,218 + 2,703 + 30,192 = 98,113$.

7a. A = 57,035 B = 112,456

8a. i) 57,297 ii) 67,601

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).

Gold

9a. $114,586 + 52,609 = 167,195$

10a. False as $59,276 + 8,095 + 67,488 = 134,859$.

11a. A = 103,012 B = 65,487

12a. i) 49,307 ii) 77,071

7b. Mike is correct because $\pounds 65,363 + \pounds 6738 = \pounds 72,101$ which is Mike's total income. Danny's income was $\pounds 65,363$.

8b. Various answers, for example:

	10,000s	1,000s	100s	10s	1s
+					
	1	7	3	5	6

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

Challenge

$$\begin{array}{r} \boxed{\begin{array}{|c|c|c|} \hline 4 & 5 & 6 \\ \hline 2 & 3 & 8 \\ \hline \end{array}} + \boxed{\begin{array}{|c|c|c|} \hline 1 & 9 & 2 \\ \hline 5 & 1 & 7 \\ \hline \end{array}} + \boxed{\begin{array}{|c|c|c|c|} \hline 2 & 5 & 6 & 4 \\ \hline & 3 & 5 & 2 \\ \hline \end{array}} \\ \hline 6 \quad 9 \quad 4 \quad 7 \quad 0 \quad 9 \quad 2 \quad 9 \quad 1 \quad 6 \end{array}$$

$$\begin{array}{r} \boxed{\begin{array}{|c|c|c|c|} \hline 5 & 3 & 7 & 3 \\ \hline 2 & 7 & 1 & 2 \\ \hline \end{array}} + \boxed{\begin{array}{|c|c|c|c|} \hline 2 & 5 & 6 & 8 \\ \hline 7 & 5 & 3 & 2 \\ \hline \end{array}} + \boxed{\begin{array}{|c|c|c|c|c|} \hline 5 & 2 & 1 & 7 & 6 \\ \hline 3 & 4 & 7 & 1 & 2 \\ \hline \end{array}} \\ \hline 8 \quad 0 \quad 8 \quad 5 \quad 1 \quad 0 \quad 1 \quad 0 \quad 0 \quad 8 \quad 6 \quad 8 \quad 8 \quad 8 \end{array}$$