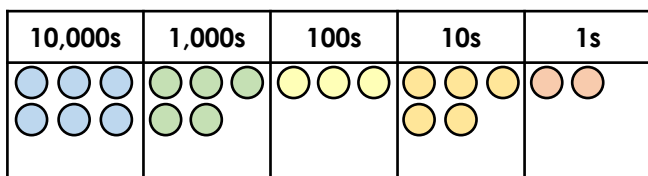
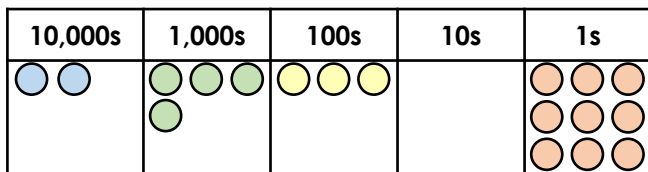


# Add More Than 4 Digits

1. Use the place value counters to add the numbers below.

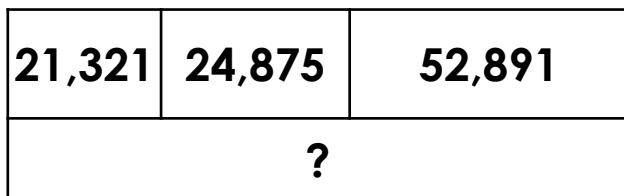
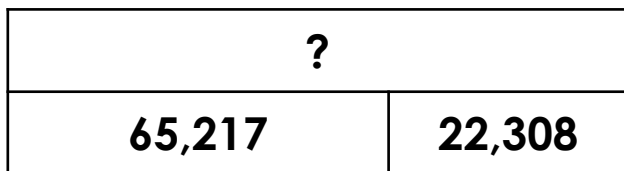


+



VF

2. Complete the bar models below.



VF

3. Solve the addition calculations below.

A.  $58,367 + 41,214 = \underline{\hspace{2cm}}$

B.

	3	4	7	7	6
		2	8	4	5
+		8	7	0	2
<hr/>					
<hr/>					

VF

4. Brian and Billie are comparing their income.

	Yearly Earnings	Yearly Bonus
Brian	£21,210	£5,801
Billie	£32,845	£3,482



Brian

Even if I had double my bonus, I would still have less than Billie's yearly earnings.

Double Brian's bonus is over £11,000, so he would have more than my yearly earnings.

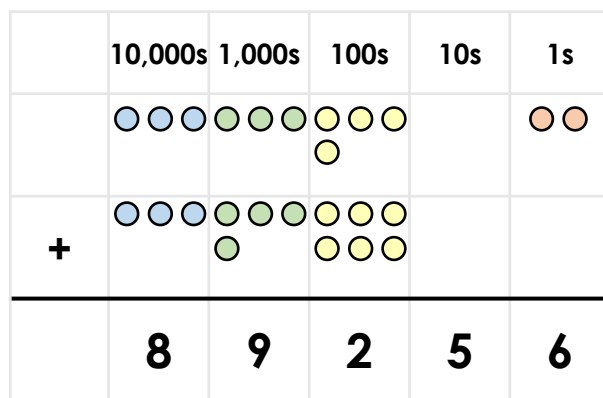


Billie

Who is correct? Explain why.

R

5. Add the missing place value counters to make the addition below correct.



PS

6. Kate has completed this calculation below incorrectly.

	8	5	2	1	3
+	1	8	7	7	7
<hr/>					
	9	3	9	8	0
<hr/>					
				1	

Explain the mistakes she has made.

R

## Add More Than 4 Digits

1.  $65,352 + 24,309 = 89,661$
2.  $87,525; 99,087$
3. A.  $99,581$ ; B.  $46,323$
4. Brian is correct. To double his bonus, he would calculate  $\pounds 5,801 + \pounds 5,801 = \pounds 11,602$ . He would then add this to his yearly earnings.  $\pounds 21,210 + \pounds 11,602 = \pounds 32,812$ .  $\pounds 32,812$  is less than Billie's yearly earnings of  $\pounds 32,845$ . Billie is incorrect because, whilst doubling Brian's bonus is over  $\pounds 11,000$ , it still isn't more than her yearly earnings.
5. Various answers, for example:

	10,000s	1,000s	100s	10s	1s
	● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ●
+	● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ●	● ● ● ● ● ● ● ●
	<b>8</b>	<b>9</b>	<b>2</b>	<b>5</b>	<b>6</b>

Note that as long as the counters are in the correct column, they can be in either row.

6. Kate has made two errors. She has not added the exchanged ten in the tens column. She has also calculated  $5,000 + 8,000$  as  $3,000$ , rather than  $13,000$ .

	<b>8</b>	<b>5</b>	<b>2</b>	<b>1</b>	<b>3</b>
+	<b>1</b>	<b>8</b>	<b>7</b>	<b>7</b>	<b>7</b>
	<b>1</b>	<b>0</b>	<b>3</b>	<b>9</b>	<b>0</b>
	<b>1</b>			<b>1</b>	