



1) Use the place value grids to solve the calculations involving 4-digit numbers. Draw counters in each box to help you, as shown in question a).

a)

2346 + 1213			
Thousands	Hundreds	Tens	Ones
● ●	● ● ●	● ● ● ●	● ● ● ● ● ●
●	● ●	●	● ● ●

2346 + 1213 =

b)

5183 + 3704			
Thousands	Hundreds	Tens	Ones

5183 + 3704 =

c)

1003 + 7263			
Thousands	Hundreds	Tens	Ones

1003 + 7263 =

d)

419 + 2570			
Thousands	Hundreds	Tens	Ones

419 + 2570 =

2) Match the calculations to their answers.

3406 + 211 =

5299

2033 + 3265 =

5298

4157 + 1142 =

3657

546 + 3111 =

3617

- 1) Polly and Graham are working on a calculation together. They both get different answers. Are either of them correct? Explain your reasoning.



6216 + 3672			
Thousands	Hundreds	Tens	Ones
● ● ● ●	● ●	●	● ● ● ●
● ● ●	● ● ● ●	● ● ● ● ●	● ●



Polly

I think the answer is 8888.

Graham

I think the answer is 9898.



- 2) Malak works on this calculation with missing numbers. Has she found the missing digits correctly? Explain your reasoning.



The missing ones digit is 4, the missing hundreds digit is 6 and the missing thousands digit is 7.

$$\begin{array}{r}
 5 \quad 1 \quad 8 \quad \square \\
 + \quad 2 \quad \square \quad 1 \quad 0 \\
 \hline
 \square \quad 7 \quad 9 \quad 4 \\
 \hline
 \end{array}$$

- 3) Ola has set her calculation out on the place value chart below. Can you check her work and give her some top tips to explain how she could improve?

$$823 + 1164 = 9394$$

Thousands	Hundreds	Tens	Ones
● ● ● ●	● ●	● ● ●	
●	●	● ● ● ●	● ● ● ●
9	3	9	4