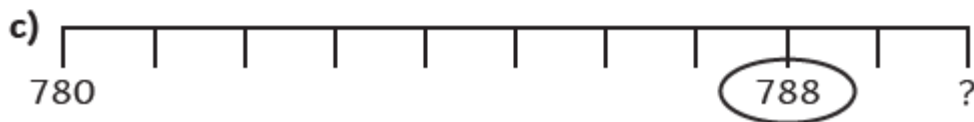
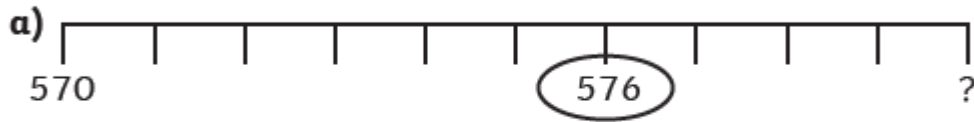


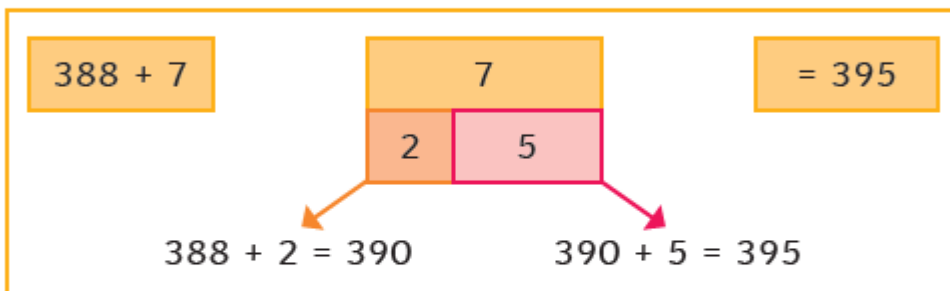
Add 1s across a 10



- 1) Use these number lines to identify the next multiple of 10 after the circled numbers.



- 2) In these additions, partition the 1-digit numbers to get to the next multiple of 10 and then add the amount left over.
Use the example to help you.



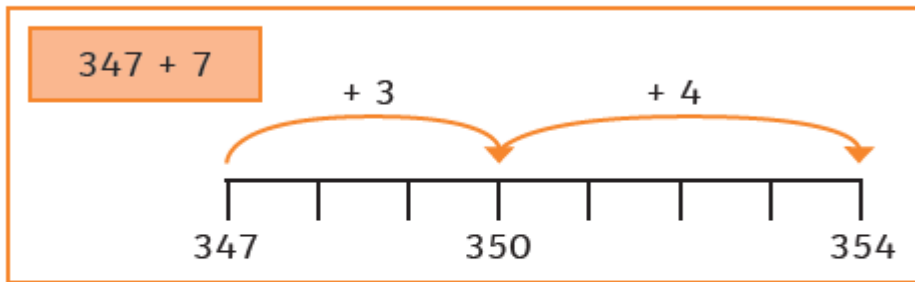
a) $618 + 4$

b) $547 + 6$

c) $726 + 9$

d) $136 + 5$

3) Use the example to complete these calculations.



a) $465 + 8$

b) $209 + 3$

c) $827 + 4$

4) Calculate these additions.

a) $135 + 8$

b) $467 + 5$

c) $608 + 6$

d) $756 + 7$

Add 1s across a 10

1) Is each child's statement always, sometimes or never true? Explain why.



Drew

When adding an even 1-digit number to an even 3-digit number, the answer will be even.

When you add 6 to a 3-digit number ending in 0, 1, 2 or 3, it will cross the 10 boundary.



Felix



Emily

When you add a 7 to a 3-digit number ending in 5, the answer will end in 12 (in the tens and ones columns).

2) Which of these four additions could be the odd one out? Explain why.

A $759 + 3$

B $306 + 6$

C $913 + 8$

D $827 + 5$

- 1)
a) 580 b) 220 c) 790



- 2)
a) 622

4	
2	2

 b) 553

6	
3	3

 c) 735

9	
4	5

 d) 141

5	
4	1

- 3)
a) 473 b) 212 c) 831

- 4)
a) 143 b) 472 c) 614 d) 763

- 1) Drew's statement is always true. When you add two even numbers together, the answer is always even.

Felix's statement is never true. $6 + 0 = 6$, $6 + 1 = 7$, $6 + 2 = 8$, $6 + 3 = 9$ so the answer will not cross the 10s boundary.

Emily's statement is sometimes true. The tens and ones digits will be 12 if the tens digit was 0 in the original number ($605 + 7 = 612$) but when adding to a number with any other digit in the tens column, it will not have a 1 in the tens column ($335 + 7 = 342$).



- 2) There are various possible answers. For example: C is the odd one out. In A, B and D, once you have reached the next multiple of 10, you then add on a remaining 2, so the answer has a 2 digit in the ones column. In C, you add on a remaining 1.

Award the mark for any answer backed up by mathematical reasoning.