



1)

100 less	10 less	Number	10 more	100 more
7424	7514	7524	7534	7624
5906	5996	6006	6016	6106
4191	4281	4291	4301	4391
1486	1576	1586	1596	1686

2)

2546	–	100	=	2446
993	+	100	=	1093
10	+	6178	=	6188
1607	–	10	=	1597

- 1) Calculations A, C and D are incorrect. For A, Isla has added 10 instead of 100. For C, she has subtracted 100 instead of added. For D, she has added 1000 instead of 100.



Fish	A	B	C	D	E
Distance swum	356 metres	819 metres	115 metres	930 metres	592 metres
Predicted new distance	366 metres	919 metres	15 metres	1930 metres	692 metres

- 2) Jay is incorrect. Sometimes, it is not just the hundreds digit that changes. For example, $2950 + 100 = 3050$. In this example, the calculation crossed the thousands boundary, so the hundreds and the thousands digits both changed.



1) a)

	Dwarf Puffer	Green Spotted Puffer
Previous distance swum	652 metres	385 metres
After 5 minutes	742 metres	475 metres
After 10 minutes	832 metres	565 metres
After 15 minutes	922 metres	655 metres
After 20 minutes	1012 metres	745 metres

- b) The hundreds digit increases by one each time. The tens digit decreases by one each time. The ones digit stays the same.
- c) Children's answers should show understanding that the digits will not always fit this pattern – for example, when the number crosses a thousands boundary, such as in 922 → 1012 metres

2) a)

	Dwarf Puffer	Green Spotted Puffer
Previous distance swum	652 metres	385 metres
After 5 minutes	762 metres	495 metres
After 10 minutes	872 metres	605 metres
After 15 minutes	982 metres	715 metres
After 20 minutes	1092 metres	825 metres

- b) The hundreds digit and the tens digit both increase by one each time. The ones digit stays the same.
- c) Children's answers should show understanding that the digits will not always fit this pattern – for example, when the number crosses a hundreds boundary, such as in 495 → 605 metres.