

Y3 – Autumn – Block 2 – Step 9 – Spot the pattern – making it explicit Answers

Question	Answer
1	a) 228 b) 282 c) 822 One digit changes to 8 and the other two digits stay at 2
2	a) 377 b) 737 c) 773 One digit changes to 3 and the other two digits stay at 7
3	a) $315 + 200 = 515$ $315 + 20 = 335$ $315 + 2 = 317$ b) $748 - 200 = 548$ $748 - 20 = 728$ $748 - 2 = 746$ c) $405 + 30 = 435$ $405 + 50 = 455$ $405 + 90 = 495$ d) $635 - 300 = 335$ $635 - 500 = 135$ $635 - 600 = 35$
4	a) 5 ones b) 436,706 or 733
5	634
6	a) 500 more than 238 is equal to 738 b) 528 is 300 more than 228 c) 727 is 2 less than 729 d) 64 is 300 less than 364 e) 429 is 20 more than 409 f) 429 is 20 less than 449
7	a) 698 b) 254 Work backwards through the function machine.
8	No. If the tens digit in the number is 6 or less, then the tens column is the only column that changes, e.g. $612 + 30 = 642$. If the tens digit in the number is 7 or more, then the tens column and the hundreds column change, e.g. $589 + 30 = 619$