## <u>Y4 – Autumn – Block 4 – Step 6 – 3, 6 and 9 times-tables Answers</u>

Question	Answer
1	a) 3 6 9 12 15 18 21
	6 12 18 24 30 36 42
	The 6 times-table is double the 3 times-table. b) 3 6 9 43 45 40 34
	3 6 9 12 15 18 21
	9 18 27 36 45 54 63
	The 9 times-table is <b>3 times</b> the 3 times-table.
	a) 27 b) 21
	c) 42
2	d) 4 e) 6
	f) 8 g) 8
	g) 8 h) 8
	a), b), c) 1 2 3 4 5 6 7 8 9 10
	11 12 13 14 15 16 17 18 19 20
	21 22 23 24 25 26 27 28 29 30
	31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50
3	51 52 53 54 55 56 57 58 59 60
	61 62 63 64 65 66 67 68 69 70
	71 (72) 73 74 (75) 76 77 (78) 79 80 81 82 83 84 85 86 87 88 89 90
	91 92 93 94 95 96 97 98 99 100
	The multiples of 6 are all multiples of 3
	The multiples of 9 are all multiples of 3
	a) Always true
	9 is a multiple of 3, so any multiple of 9 is also a multiple of 3 b) Sometimes true
4	Even multiples of 3 are also multiples of 6, but odd multiples of 3 are not. c) Sometimes true
	For example, 18 is a multiple of 9, but 12 is not.

## <u>Y4 – Autumn – Block 4 – Step 6 – 3, 6 and 9 times-tables Answers (continued)</u>

Question	Answer
5	multiples of 3  multiples of 6  3  93  18  54  multiples of 9
6	Possible methods include: Work out how many muffins in total for each size of box and add them together. Work out $3+6+9$ and multiply the total by $3$
7	No $36 \div 6 = 6$ The answer to $36 \div 3$ needs to be halved.
8	a) 252 b) 378
9	$6 \div 6 < 6 + 6 < 6 \times 3$