



Q	Answer	Marks
1	a) 9, 16, 49 b) 8, 27, 125 c) 6, 21, 28	3
2	36	1
3	a) 5^4 b) 81 c) 2^3 means $2 \times 2 \times 2 = 8$, Ruby worked out 2×3	3
4	4	1
5	a) 17 b) 6 c) 1.7	3
6	97.336	1
7	60.48	2
8	a) 7^7 b) 12^5	2
9	a) 2^7 b) $2^3 + 2^4 = 8 + 16 = 24$, but $2^7 = 128$, so they are not equal	3
10	a) x^{10} b) y^6 c) m^{10}	3
11	a) 1 b) $1/4$ c) 3	3
12	8	3

Full worked solutions, written out by hand, are on the solutions sheet for this topic.