Algebra & Sequences: Easy Practice Paper 3 Answers

Q#	Answer	Explanation
1	C	The sequence goes up in 6s, so the next term is 24 + 6 = 30.
2	B	Replace x with 10, which gives 10 − 6 = 4.
3	C	The sequence goes down in 5s, so the next term is 30 − 5 = 25.
4	B	2a means 2 × a, so 2 × 9 = 18.
5	B	Take 4 away from both sides: y = 11 − 4 = 7. Checking, 7 + 4 = 11.
6	C	The machine works out 5 × 4, which is 20.
7	D	Each number is double the one before, so the next term is 24 × 2 = 48.
8	B	Replace n with 12, which gives 12 ÷ 3 = 4.
9	D	The sequence goes up in 7s, so the missing term is 9 + 7 = 16.
10	D	Add 5 to both sides: x = 9 + 5 = 14. Checking, 14 − 5 = 9.
11	C	Three lots of 4 make 12. This is the same as working out 3b.
12	B	Eating 3 sweets means taking 3 away from n, which is written n − 3.
13	B	Each term is 6 more than the one before: 5 + 6 = 11, 11 + 6 = 17 and 17 + 6 = 23.
14	D	These are the square numbers: 1 × 1, 2 × 2, 3 × 3, 4 × 4, so the next is 5 × 5 = 25.
15	B	Replace the letters with their values: 6 + 2 = 8.

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