

Class 5 · Logical Reasoning — Doubling Number Series

Total questions 12	Total marks 12	Time 60 minutes	Negative marking None
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Each question has four options, of which only one is correct. Mark your answer on the answer sheet. The Achievers Section carries higher marks per question. The answer key with full solutions is at the end of this paper.

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Doubling Number Series

12 questions · 1 mark each · 12 marks

- Q1. Find the next number in the pattern: 5, 13, 29, 61, ____
 (A) 122 (B) 125 (C) 123 (D) 128
- Q2. Find the next number in the pattern: 4, 10, 22, 46, ____
 (A) 95 (B) 94 (C) 96 (D) 92
- Q3. Find the next number in the pattern: 4, 9, 19, 39, ____
 (A) 80 (B) 77 (C) 78 (D) 79
- Q4. Find the next number in the pattern: 5, 11, 23, 47, ____
 (A) 94 (B) 93 (C) 95 (D) 96
- Q5. Find the next number in the pattern: 5, 12, 26, 54, ____
 (A) 112 (B) 111 (C) 110 (D) 108
- Q6. Find the next number in the pattern: 2, 5, 11, 23, ____
 (A) 45 (B) 47 (C) 48 (D) 46
- Q7. Find the next number in the pattern: 3, 8, 18, 38, ____
 (A) 78 (B) 76 (C) 80 (D) 79
- Q8. Find the next number in the pattern: 3, 9, 21, 45, ____
 (A) 93 (B) 91 (C) 96 (D) 90
- Q9. Find the next number in the pattern: 2, 6, 14, 30, ____
 (A) 62 (B) 64 (C) 63 (D) 60
- Q10. Find the next number in the pattern: 4, 11, 25, 53, ____
 (A) 106 (B) 112 (C) 107 (D) 109
- Q11. Find the next number in the pattern: 3, 7, 15, 31, ____
 (A) 63 (B) 62 (C) 61 (D) 64
- Q12. Find the next number in the pattern: 2, 7, 17, 37, ____
 (A) 74 (B) 80 (C) 77 (D) 75

Answer Key

1	2	3	4	5	6	7	8	9	10
B	B	D	C	C	B	A	A	A	D
11	12								
A	C								

Solutions

Q1. (B) Each number is doubled and 3 is added: $61 \times 2 + 3 = 125$.

Q2. (B) Each number is doubled and 2 is added: $46 \times 2 + 2 = 94$.

Q3. (D) Each number is doubled and 1 is added: $39 \times 2 + 1 = 79$.

Q4. (C) Each number is doubled and 1 is added: $47 \times 2 + 1 = 95$.

Q5. (C) Each number is doubled and 2 is added: $54 \times 2 + 2 = 110$.

Q6. (B) Each number is doubled and 1 is added: $23 \times 2 + 1 = 47$.

Q7. (A) Each number is doubled and 2 is added: $38 \times 2 + 2 = 78$.

Q8. (A) Each number is doubled and 3 is added: $45 \times 2 + 3 = 93$.

Q9. (A) Each number is doubled and 2 is added: $30 \times 2 + 2 = 62$.

Q10. (D) Each number is doubled and 3 is added: $53 \times 2 + 3 = 109$.

Q11. (A) Each number is doubled and 1 is added: $31 \times 2 + 1 = 63$.

Q12. (C) Each number is doubled and 3 is added: $37 \times 2 + 3 = 77$.

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