

Aptitude Papers General Aptitude Questions Aptitude Questions Set V

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For the following, find the next term in the series

1. 6, 24, 60, 120, 210

a. 336

b. 366

c. 330

d. 660

Answer: (a)

Explanation: The series is 1.2. 3, 2.3. 4, 3.4. 5, 4.5. 6, 5.6. 7, _____ (" means product)

2. 1, 5, 13, 25 Answer: 41 Explanation: The series is of the form $0^2 + 1^2, 1^2 + 2^2, \dots$

3. 0, 5, 8, 17 Answer: 24 Explanation: $1^2 - 1, 2^2 + 1, 3^2 - 1, 4^2 + 1, 5^2 - 1$

4. 1, 8, 9, 64, 25 (Hint: Every successive terms are related) Answer: 216 Explanation: $1^2, 2^3, 3^2, 4^3, 5^2, 6^3$

5. 8, 24, 12, 36, 18, 54 Answer: 27

6. 71, 76, 69, 74, 67, 72 Answer: 67

7. 5, 9, 16, 29, 54 Answer: 103 Explanation: $5 * 2 - 1 = 9; 9 * 2 - 2 = 16; 16 * 2 - 3 = 29; 29 * 2 - 4 = 54; 54 * 2 - 5 = 103$

8. 1, 2, 4, 10, 16, 40, 64 (Successive terms are related) Answer: 200 Explanation: The series is powers of 2 ($2^0, 2^1, \dots$). All digits are less than 8. Every second number is in octal number system. 128 should follow 64.128 base 10 = 200 base 8.

Exercise 2.2

Find the odd man out:

1. 3, 5, 7, 12, 13, 17, 19 Answer: 12 Explanation: All but 12 are odd numbers

2. 2, 5, 10, 17, 26, 37, 50, 64 Answer: 64 Explanation: $2 + 3 = 5; 5 + 5 = 10; 10 + 7 = 17; 17 + 9 = 26; 26 + 11 = 37; 37 + 13 = 50; 50 + 15 = 65$

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3. 105, 85, 60, 30, 0, 45, 90

Answer: 0

Explanation: $105 - 20 = 85$; $85 - 25 = 60$; $60 - 30 = 30$; $30 - 35 = -5$; $5 - 40 = -45$; $45 - 45 = -90$.