Numerical Logic

1. 8 22 12 16 22 20 24 - -

(a) 28 32

(b) 28 22

(c) 22 28

(d) 32 36

Answer: c. This is an alternating repetition series, with a random number, 22, interpolated as every third number into an otherwise simple addition series. In the addition series, 4 is added to each number to arrive at the next number.

2. 6 20 8 14 10 8 12 - -

(a) 14 10

(b) 2 18

(c) 4 12

(d) 2 14

Answer: d. This is an alternating addition and Subtraction series. In the first pattern, 2 is added to each number to arrive at the next; in the alternate pattern, 6 is subtracted from each number to arrive at the next.

3. 11 16 21 26 31 36 41 - -

(a) 47 52

(b) 46 52

(c) 45 49

(d) 46 51

Answer: d. In this simple addition series, each Number is 5 more than the previous number.

4. 8 11 21 15 18 21 22 - -

(a) 25 18

(b) 25 21

(c) 25 29

(d) 24 21

Answer: b. This is an alternating addition series, with a random number, 21, interpolated as every third number. The addition series alternates between adding 3 and adding 4. The number 21 appears after each number arrived at

by adding 3.

5. Look at this series: 8, 43, 11, 41, __, 39, 17, . . . What number should fill in the blank?

(a) 8

(b) 14

(c) 43

(d) 44

Answer: b.
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

6. Look at this series: 15, __, 27, 27, 39, 39, . . . What number should fill the blank?

(a) 51

(b) 39

(c) 23

(d) 15

Answer: d. In this simple addition with repetition series, each number in the series repeats itself, and then increases by 12 to arrive at the next number.

7. 9 16 23 30 37 44 51 --- ----

(a) 59 66

(b) 56 62

(c) 58 66

(d) 58 65

Answer: d. Here is a simple addition series, which begins with 9 and adds 7.

8. Look at this series: J14, L16, __, P20, R22, . . . What number should fill the blank?

(a) S24

(b) N18

(c) M18

(d) T24

Answer: b. In this series, the letters progress by 2, and the numbers increase by 2.

9. Look at this series: F2, __, D8, C16, B32, . . . What number should fill the blank?

(a) A16

(b) G4

(c) E4

(d) E3

Answer: c. The letters decrease by 1; the numbers are multiplied by 2.

10. Look at this series: V, VIII, XI, XIV, __, XX, . . . What number should fill the blank?

(a) IX

(b) XXIII

(c) XV

(d) XVII

Answer: d.
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

11. Look at this series: XXIV, XX, __, XII, VIII, . . . What number should fill the blank?

(a) XXII

(b) XIII

(c) XVI

(d) IV

Answer: c. This is a simple subtraction series; Each number is 4 less than the previous number.

12. Look at this series: VI, 10, V, 11, __, 12, III, . . . What number should fill the blank?

(a) II

(b) IV

(c) IX

(d) 14

Answer: b. This is an alternating addition and Subtraction series. Roman numbers alternate with Arabic numbers. In the Roman numeral pattern, each number decreases by 1. In the Arabic numeral pattern, each number increases by 1.

13. 7 9 66 12 14 66 17

(a) 19 66

(b) 66 19

(c) 19 22

(d) 20 66

Answer: a. This is an alternating addition series with repetition, in which a random number, 66, is interpolated as every third number. The regular series adds 2, then 3, then 2, and so on, with 66 repeated after each "add 2" step.

14. 3 5 35 10 12 35 17

(a) 22 35

(b) 35 19

(c) 19 35

(d) 19 24

Answer: c. This is an alternating addition series, with a random number, 35, interpolated as every third number. The pattern of addition is to add 2, add 5, add 2, and so on. The number 35 comes after each "add 2" step.

15. 36 31 29 24 22 17 15

(a) 13 11

(b) 10 5

(c) 13 8

(d) 10 8

Answer: d.
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

16. 14 14 26 26 38 38 50

(a) 60 72

(b) 50 62

(c) 50 72

(d) 62 62

Answer: b. In this simple addition with repetition series, each number in the series repeats itself, and then increases by 12 to arrive at the next number.

17. 8 12 9 13 10 14 11

(a) 14 11

(b) 15 12

(c) 8 15

(d) 15 19

Answer: b. This is an alternating addition and Subtraction series, in which the addition of 4 is alternated with the subtraction of 3.

18. Look at this series: 1/9, 1/3, 1, __, 9, . . . What number should fill the blank?

(a) 2/3

(b) 3

(c) 6

(d) 27

Answer: b. This is a multiplication series; each Number is 3 times the previous number.

19. Look at this series: U32, V29, __, X23, Y20, . . . What number should fill the blank?

(a) W26

(b) W17

(c) Z17

(d) Z26

Answer: a. In this series, the letters progress by 1; The numbers decrease by 3.

20. Look at this series: 83, 73, 93, 63, __, 93, 43, . . . What number should fill the blank?

(a) 33

(b) 53

(c) 73

(d) 93

Answer: b.
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

21. Look at this series: 4, 7, 25, 10, __, 20, 16, 19, . . . What number should fill the blank?

(a) 13

(b) 15

(c) 20

(d) 28

Answer: a. Two series alternate here, with every third number following a different pattern. In the main series, 3 is added to each number to arrive at the next. In the alternating series, 5 is subtracted from each number to arrive at the next.

22. Look at this series: 72, 76, 73, 77, 74, __, 75, . . . What number should fill the blank?

(a) 70

(b) 71

(c) 75

(d) 78

Answer: d. This series alternates the addition of 4 with the subtraction of 3.

23. Look at this series: 14, 28, 20, 40, 32, 64, . . . What number should come next?

(a) 52

(b) 56

(c) 96

(d) 128

Answer: b. This is an alternating multiplication and subtracting series: First, multiply by 2 and then subtract 8.

24. Look at this series: 1.5, 2.3, 3.1, 3.9, . . . What number should come next?

(a) 4.2

(b) 4.4

(c) 4.7

(d) 5.1

Answer: c. In this simple addition series, each number increases by 0.8.

25. Look at this series: 5.2, 4.8, 4.4, 4, . . . What number should come next?

(a) 3

(b) 3.3

(c) 3.5

(d)3.6

Answer: d.
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

26. Look at this series: 2, 1, 1/2, 1/4, ... What number should come next?

(a) 1/3

(b) 1/8

(c) 2/8

(d) 1/16

Answer: b. This is a simple division series; each number is one-half of the previous number.

27. Look at this series: 1,000, 200, 40, . . . What number should come next?

(a) 8

(b) 10

(c) 15

(d) 20

Answer: a. This is a simple division series. Each number is divided by 5.

28. Look at this series: 7, 10, 8, 11, 9, 12, . . . What number should come next?

(a) 7

(b) 10

(c) 12

(d) 13

Answer: b. This is a simple alternating addition and subtraction series. In the first pattern, 3 is added; in the second, 2 is subtracted.

29. 42 40 38 35 33 31 28 - -

(a) 25 22

(b) 26 23

(c) 26 24

(d) 25 23

Answer: c. This is an alternating subtraction series In which 2 is subtracted twice, then 3 is subtracted once, then 2 is subtracted twice, and so on.

30. 11 14 14 17 17 20 20 - -

(a) 23 23

(b) 23 26

(c) 21 24

(d) 24 24

Answer: a.
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

31. 17 32 19 29 21 26 23 - -

(a) 25 25

(b) 20 22

(c) 23 25

(d) 25 22

Answer: c. Here, there are two alternating patterns. The first begins with 17 and adds 2; the Second begins with 32 and subtracts 3.

32. 10 34 12 31 14 28 16 - -

(a) 25 18

(b) 30 13

(c) 19 26

(d) 18 20

Answer: a. Two patterns alternate here. The first pattern begins with 10 and adds 2 to each number to arrive at the next; the alternating pattern begins with 34 and subtracts 3 each time

33. 32 31 32 29 32 27 32 - -

(a) 25 32

(b) 31 32

(c) 29 32

(d) 25 30

Answer: a. This is an alternating repetition series. The number 32 alternates with a series in which each number decreases by 2

34. 20 20 17 17 14 14 11 - -

(a) 8 8

(b) 11 11

(c) 11 14

(d) 11 8

Answer: d. This is a simple subtraction with repetition series. It begins with 20, which is repeated, then 3 is subtracted, resulting in 17, which is repeated, and so on.

35. 18 21 25 18 29 33 18 - -

(a) 43 18

(b) 41 44

(c) 37 18

(d) 37 41

Answer: d.
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

36. 9 11 33 13 15 33 17 - -

(a) 19 33

(b) 33 35

(c) 33 19

(d) 15 33

Answer: a. In this alternating repetition series, a random number, 33, is interpolated every third number into a simple addition series, in which each number increases by 2.

37. Look at this series: 664, 332, 340, 170, __, 89, . . . What number should fill the blank?

(a) 85

(b) 97

(c) 109

(d) 178

Answer: d. This is an alternating division and addition series: First, divide by 2, and then add 8.

38. Look at this series: 0.15, 0.3, __, 1.2, 2.4, . . . What number should fill the blank?

(a) 4.8

(b) 0.006

(c) 0.6

(d) 0.9

Answer: c. This is a simple multiplication series. Each number is 2 times greater than the previous number.

39. Look at this series: 31, 29, 24, 22, 17, . . . What number should come next?

(a) 15

(b) 14

(c) 13

(d) 12

Answer: a. This is a simple alternating subtraction series, which subtracts 2, then 5.

40. Look at this series: 21, 9, 21, 11, 21, 13, . . . What number should come next?

(a) 14

(b) 15

(c) 21

(d) 23

Answer: c.
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

41. Look at this series: 53, 53, 40, 40, 27, 27, . . . What number should come next?

(a) 12

(b) 14

(c) 27

(d) 53

Answer: b. In this series, each number is repeated, then 13 issubtracted to arrive at the next number.

42. Look at this series: 2, 6, 18, 54, . . . What number should come next?

(a) 108

(b) 148

(c) 162

(d) 216

Answer: c. This is a simple multiplication series. Each number is 3 times more than the previous number.

43. 9 12 11 14 13 16 15 - -

(a) 14 13

(b) 18 21

(c) 14 17

(d) 18 17

Answer: d. This is a simple alternating addition and subtraction series. First, 3 is added, then 1 is subtracted, then 3 is added, 1 subtracted, and so on.

44. 75 65 85 55 45 85 35 - -

(a) 25 15

(b) 25 85

(c) 35 25

(d) 85 35

Answer: b. This is a simple subtraction series in which a random number, 85, is interpolated as every third number. In the subtraction series, 10 is subtracted from each number to arrive at the next.

45. 1 10 7 20 13 30 19 - -

(a) 26 40

(b) 29 36

(c) 40 25

(d) 25 31

Answer: c.
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

46. Look at this series: 2, 4, 6, 8, 10, . . . What number should come next?

(a) 11

(b) 12

(c) 13

(d) 14

Answer: b. This is a simple addition series. Each Number increases by 2.

47. Look at this series: 58, 52, 46, 40, 34, . . . What number should come next?

(a) 26

(b) 28

(c) 30

(d) 32

Answer: b. This is a simple subtraction series. Each number is 6 less than the previous number.

48. Look at this series: 40, 40, 47, 47, 54, . . . What number should come next?

(a) 40

(b) 44

(c) 54

(d) 61

Answer: c. This is an alternation with repetition seriesin which each number repeats itself and then increases by 7.

49. Look at this series: 544, 509, 474, 439, . . . What number should come next?

(a) 404

(b) 414

(c) 420

(d) 445

Answer: a. This is a simple subtraction series. Each number is 35 less than the previous number.

50. Look at this series: 201, 202, 204, 207, . . . What number should come next?

(a) 205

(b) 208

(c) 210

(d) 211

Answer: d.

51. Look at this series: 8, 22, 8, 28, 8, . . . What number should come next?

(a) 9

(b) 29

(c) 32

(d) 34

Answer: d. This is a simple addition series with a random number, 8, interpolated as every other number. In the series, 6 is added to each number except 8, to arrive at the next number.

52. Look at this series: 80, 10, 70, 15, 60, . . . What number should come next?

(a) 20

(b) 25

(c) 30

(d) 50

Answer: a. This is an alternating addition and subtraction series. In the first pattern, 10 is subtracted from each number to arrive at the next. In the second, 5 is added to each number to arrive at the next.

53. Look at this series: 36, 34, 30, 28, 24, . . . What number should come next?

(a) 20

(b) 22

(c) 23

(d) 26

Answer: b. This is an alternating number subtraction series. First, 2 is subtracted, then 4, then 2, and so on.

54. Look at this series: 22, 21, 23, 22, 24, 23, . . . What number should come next?

(a) 22

(b) 24

(c) 25

(d) 26

Answer: c. In this simple alternating subtraction and addition series; 1 is subtracted, then 2 is added, and so on.

55. Look at this series: 3, 4, 7, 8, 11, 12, . . . What number should come next?

(a) 7

(b) 10

(c) 14

(d) 15

Answer: d.
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

56. 4 7 26 10 13 20 16 - -

(a) 14 4

(b) 14 17

(c) 18 14

(d) 19 14

Answer: d. Two patterns alternate here, with every third number following the alternate pattern. In the main series, beginning with 4, 3 is added to each number to arrive at the next. In the alternating series, beginning with 26, 6 is subtracted from each number to arrive at the next.

57. 3 8 10 15 17 22 24 - -

(a) 26 28

(b) 29 34

(c) 29 31

(d) 26 31

Answer: c. This is an alternating addition series that adds 5, then 2, then 5, and so on.

58. 17 14 14 11 11 8 8 - -

(a) 8 5

(b) 5 2

(c) 8 2

(d) 5 5

Answer: d. In this simple subtraction with repetition series, each number is repeated, then 3 is subtracted to give the next number, which is then repeated, and so on

59. Find the odd man out :

74, 24, 82, 61, 10, 4

(a) 61

(b) 24

(c) 10

(d) 82

Answer: 61 is ODD number. Each of the numbers except 61 is an EVEN number.

60. Find the odd man out :

1, 3, 7, 11, 15, 18, 21

(a) 3

(b) 7

(c) 18

(d) 21

Answer: c
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

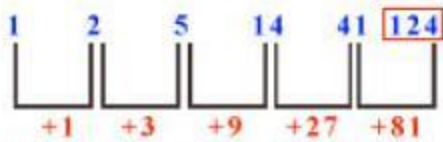61. Find out the wrong number in the sequence

1, 2, 5, 14, 41, 124

(a) 2

(b) 14

(c) 124

(d) 41

Answer:

124.

Hence, number 124 is wrong and should be placed by 122
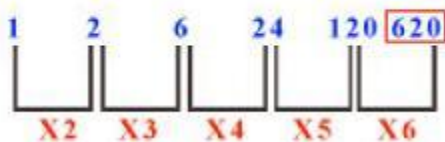
62. Find out the wrong number in the sequence

1, 2, 6, 24, 120, 620

(a) 2

(b) 620

(c) 120

(d) 24

Answer:

620.

Hence, number 620 is wrong and should be placed by 720.

63. Find out the wrong number in the series

125, 106, 88, 76, 65, 58, 53

(a) 125

(b) 106

(c) 88

(d) 76

Answer: 88. Go on subtracting prime numbers 19, 17, 13, 11, 7, 5 from the numbers to get the next number. So, 88 is wrong.

64. Find out the wrong number in the series

5, 15, 30, 135, 405, 1215, 3645

(a) 3645

(b) 1215

(c) 405

(d) 30

Answer: 30. Multiplly each term by 3 to obtain the next term. Hence, 30 is a wong number.

65. Insert the missing number

121, 112, ..., 97, 91, 86

(a) 102

(b) 108

(c) 99

(d) 104

Answer: 104.
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

66. Insert the missing number

2, 9, 28, 65, ...

(a) 126

(b) 195

(c) 121

(d) 103

Answer: 126. Method used to from the series is :$(1)^3+1$, $(2)^3+1$,$(3)^3+1$, $(4)^3+1$ Therefore the missing number is $(5)3 +1= 126$.

67. Find the missing number:
1, 2, 3, 6, ?, 24, 48

(a) 14

(b) 10

(c) 12

(d) 16

Answer: The number equals the sum of all previous numbers.

68.

Find the missing number:

27	33	?	9	180
18	22	42	6	120

(a) 60

(b) 56

(c) 36

(d) 63

Answer: to get the number on the second row , add ½ of the number to itself.

69. Find the missing number:
24, 48, ?, 100, 102, 204

(a) 96

(b) 42

(c) 50

(d) 44

Answer: Multiply by 2 every other time and add 2 every other time.

70. Find the missing number:
720, 120, 24, 6, ?

(a) 2

(b) 4

(c) 3

(d) -12

Answer: a
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

71. Find the missing number:
5, 7, 15, 21, 45, ?

(a) 59

(b) 61

(c) 63

(d) 65

Answer: The number multiplied by 3 equals the number two steps to the right.

72.

Find the missing number:

27	15	30	20	37
?	28	17	33	24

(a) 40

(b) 26

(c) 14

(d) 13

Answer: Moving one right and one up/down, 1 is added the first time, 2 is added the second, 3 the third, etc.

73. Find the missing number:
7, 8, 37, ?, 17, 7, 18, 37, 12

(a) 18

(b) 12

(c) 32

(d) 37

Answer: The line repeats itself after 17.

74.

Find the missing number:

0.2	12	28	9	13
0.6	36	?	27	39

(a) 84

(b) 40

(c) 96

(d) 56

Answer: To find the number on the second row, multiply the number above by 3,

75. Find the missing number:
17, 11, 5, -1, ?, -13

(a) -7

(b) 6

(c) 7

(d) -6

Answer: a

76.

Find the missing number:

16	64	36	144	9
4	8	?	12	3

(a) 10

(b) 6

(c) 4

(d) 9

Answer: To get the number on the second row, find the square root of the number above it.

77. Find the missing number:
163, 131, 115, 107, ?

(a) 100

(b) 105

(c) 101

(d) 103

Answer: 32 is subtracted on the first step, the value subtracted is reduced by 50% for every additional step.

78.

Find the missing number:

25	125	9	45
6	30	?	65

(a) 50

(b) 15

(c) 13

(d) 54

Answer: The numbers are paired two by two horizontally. Multiply the number to the left by 5 to get the number to the right.

79. Find the missing number:
16, 24, ?, 54, 81

(a) 32

(b) 38

(c) 42

(d) 36

Answer: A number divided by 2 and added to itself equals the succeeding number.

80.

Find the missing number:

12	6	27	13.5	?
4	18	9	40.5	20.25

(a) 20.25

(b) 64.25

(c) 19

(d) 60.75

Answer: To Download Complete EBook with Detailed Solution to all the Questions Please Visit:
http://www.aptitudetests4me.com/Buy_Numerical_Logic_Ebook.html

81. Find the missing number:
2, 12, 60, 240, ?

(a) 720

(b) 480

(c) 540

(d) 380

Answer:

82.

Find the missing number:

3	27	5	36	21
10	30	10	40	?

(a) 50

(b) 20

(c) 45

(d) 30

Answer:

83. Find the missing number:
5, 6, 6, 6, 9, 9, 11, 11, 11, 14, 14, ?

(a) 15

(b) 11

(c) 16

(d) 19

Answer:

84. Find the missing number:
93, 96, 102, 104, 108, ?

(a) 112

(b) 118

(c) 122

(d) 116

Answer:

85. Find the missing number:
4, 2, 8, 16, ?

(a) 128

(b) 14

(c) 32

(d) 108

Answer:

86.

Find the missing number:

28	35	42	49
56	63	70	?

(a) 85

(b) 80

(c) 75

(d) 77

Answer:

87. Find the missing number:
137, 371, 713, ?

(a) 103

(b) 113

(c) 137

(d) 142

Answer:

88.

Find the missing number:

13	16	22	24	28
36	?	44	48	56

(a) 42

(b) 34

(c) 32

(d) 38

Answer:

89.

Find the missing number:

10	7	?	7	12
100	63	40	49	72

(a) 5

(b) 4

(c) 6

(d) 10

Answer:

90. Find the missing number:
2, 3, 5, 7, 11, 13, ?, 19

(a) 18

(b) 15

(c) 17

(d) 16

Answer:

91. Find the missing number:
16, 24, ?, 54, 81

(a) 42

(b) 38

(c) 32

(d) 36

Answer:

92.

Find the missing number:

12	6	27	13.5	?
4	18	9	40.5	20.25

(a) 60.75

(b) 64.25

(c) 20.25

(d) 19

Answer:

93.

Find the value of X:

36 21 15
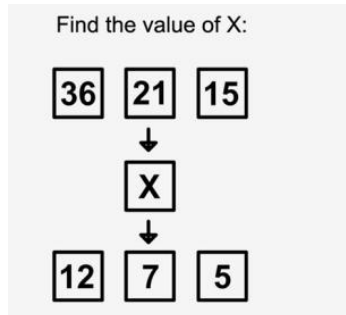   ↓
      X
       ↓
12 7 5

(a) 7

(b) 14

(c) 3

(d) 22

Answer:

94. Find the missing number:
6, 2, 18, ?, 27, 9

(a) 22

(b) 12

(c) 23

(d) 6

Answer:

95. Find the missing number:
1, 9, 31, 55, ?, 33, 11, 3

(a) 11

(b) 19

(c) 57

(d) 54

Answer:

96.

Find the missing number:

67	36	80	42	?
33	73	39	88	46

(a) 88

(b) 44

(c) 48

(d) 96

Answer:

97. Find the missing number:
7225, 7229, 7221, ?, 7217, 7221

(a) 7229

(b) 7223

(c) 7230

(d) 7225

Answer:

98.

Find the missing number:

67	36	80	42	?
33	73	39	88	46

(a) 88

(b) 44

(c) 48

(d) 96

Answer:

99.

Find the missing number:

253	?	199	321	172
226	162	172	294	145

(a) 204

(b) 189

(c) 177

(d) 198

Answer:

100. A student is ranked 13th from the right and 8th from the left. How many students are there in total?

(a) 22

(b) 20

(c) 19

(d) 21

Answer:

101.

Find the missing number:

12	?	61	19	37
39	60	88	46	64

(a) 18

(b) 33

(c) 11

(d) 6
Answer:

102. Find the missing number:
109, 113, ?, 131, 137, 139

(a) 123

(b) 127

(c) 121

(d) 117

Answer:

103.

Find the missing number:

33	28	88	14	50
11	14	11	?	10

(a) 8

(b) 14

(c) 36

(d) 32

Answer:

104. Find the missing number:
35, 53, ?, 26, 81, 18

(a) 62

(b) 18

(c) 12

(d) 48

Answer:

105. Find the missing number:
17, 28, 39, 24, 35, 46, ?, 42, 53

(a) 31

(b) 6

(c) 28

(d) 44

Answer:

106.

Find the missing number:

288	16	?	4	18
32	144	8	36	2

(a) 2

(b) 88

(c) 8

(d) 72

Answer:

107. Find the misssing number?

72, ?, 18, 9

(a) 36

(b) 40

(c) 32

(d) 42

Answer:

108.

Find the missing number:

160	240	140	220	120
250	150	230	130	?

(a) 110

(b) 140

(c) 180

(d) 210

Answer:

109.

Find the missing number:

24	60	32	45	18
4	12	8	?	9

(a) 10

(b) 15

(c) 7

(d) 11

Answer:

110. Find the missing number:
4, ?, 20, 10, 100, 50, 500

(a) 1

(b) 8

(c) 2

(d) 30

Answer:

111. Find the missing number:
4, ?, 20, 10, 100, 50, 500

(a) 30

(b) 2

(c) 8

(d) 1

Answer:

112.

Find the missing number:

15	23	8	29	57
22	?	15	36	64

(a) 14

(b) 30

(c) 34

(d) 28

Answer:

113. Find the missing number:
17, 28, 39, 24, 35, 46, ?, 42, 53

(a) 31

(b) 44

(c) 62

(d) 54

Answer:

114.

Find the missing number:

?	11	26	13
62	31	90	45

(a) 31

(b) 7

(c) 22

(d) 6

Answer:

115. Find the missing number:
12, 15, 21, ?, 30, 33

(a) 24

(b) 23

(c) 26

(d) 27

Answer:

116.

Find the missing number:

36	42	16	?
64	72	9	12

(a) 24

(b) 19

(c) 20

(d) 22

Answer:

117.

Find the missing number:

160	240	140	220	120
250	150	230	130	?

(a) 140

(b) 180

(c) 110

(d) 210

Answer:

118. Find the missing number:
3, 1, 3, 3, 9, ?, 243

(a) 121

(b) 125

(c) 107

(d) 27

Answer:

119. Find the missing number:
17, 28, 39, 24, 35, 46, ?, 42, 53

(a) 6

(b) 44

(c) 28

(d) 31

Answer:

120.

Find the missing number:

10	7	?	7	12
100	63	40	49	72

(a) 10

(b) 4

(c) 6

(d) 5

Answer:

121.

Find the missing number:

1.75	3.25	2.5	0.75	9.75
3.5	5	4.25	2.5	?

(a) 11.5

(b) 13.5

(c) 12.25

(d) 7.5

Answer:

122. Find the missing number:
9, 10, ?, 15, 19

(a) 15

(b) 12

(c) 10

(d) 13

Answer:

123. Find the missing number:
24, 29, 36, 41, ?, 53

(a) 48

(b) 47

(c) 45

(d) 46

Answer:

124. Find the missing number:
5153, 5167, ?, 5206, 5219

(a) 5181

(b) 5167

(c) 5159

(d) 5186

Answer:

125. Find the missing number:
37, 28, 20, ?, 7

(a) 11

(b) 16

(c) 15

(d) 13

Answer:

126.

Find the missing number:

33	28	88	14	50
11	14	11	?	10

(a) 36

(b) 32

(c) 8

(d) 14

Answer:

127.

Find the missing number:

253	?	199	321	172
226	162	172	294	145

(a) 198

(b) 204

(c) 189

(d) 177

Answer:

128. Find the missing number:
7225, 7229, 7221, ?, 7217, 7221

(a) 7229

(b) 7223

(c) 7230

(d) 7225

Answer:

129. Find the missing number:

17, 2, 15, 7, 8, 1, ?

(a) 3

(b) 5

(c) 11

(d) 7

Answer:

130.

Find the missing number:

24	60	32	45	18
4	12	8	?	9

(a) 10

(b) 11

(c) 15

(d) 7

Answer:

131. Find the missing number:
93, 96, 102, 104, 108, ?

(a) 118

(b) 112

(c) 116

(d) 122

Answer:

132. Find the missing number

?	11	26	13
62	31	90	45

(a) 31

(b) 22

(c) 7

(d) 6

Answer:

133. Find the missing number

120	132	48	88	30
30	33	12	?	7.5

(a) 14

(b) 28

(c) 18

(d) 22

Answer:

134.
Find the number of triangles in the given figure.

(a) 16

(b) 22

(c) 28

(d) 32

Answer:

135.

Find the number of triangles in the given figure.

(a) 11
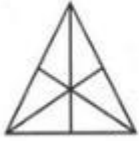
(b) 13

(c) 15

(d) 17

Answer:

136.

Find the number of triangles in the given figure.

(a) 11

(b) 13

(c) 15

(d) 17

Answer:

137.

Find the number of triangles in the given figure.
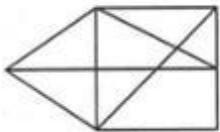
(a) 12

(b) 13

(c) 14

(d) 15

Answer:

138. Find the missing number?

67	36	80	42	?
33	73	39	88	46

(a) 44

(b) 96

(c) 48

(d) 88

Answer:

139. Find the missing number?

19, 3, 16, 7, 9, 2

(a) 3

(b) 9

(c) 7

(d) 8

Answer:

140. Look carefully for the pattern, and then choose which pair of numbers comes next

9 11 33 13 15 33 17 - -

(a) 19 33

(b) 33 35

(c) 33 19

(d) 15 33

Answer:

141. Look carefully for the pattern, and then choose which pair of numbers comes next

2 3 4 5 6 4 8 - -

(a) 9 10

(b) 4 8

(c) 10 4

(d) 9 4

Answer:

142.
Find the number of triangles in the given figure.

(a) 21

(b) 23

(c) 25

(d) 27

Answer:

143.
Find the number of triangles in the given figure

(a) 10

(b) 19

(c) 21

(d) 23

Answer:

144.

Find the number of triangles in the given figure.

(a) 5

(b) 6

(c) 8

(d) 10

Answer:

145. Find the missing number?

28	35	42	49
56	63	70	?

(a) 75

(b) 85

(c) 77

(d) 80

Answer:

146. Find the missing number?

4, 2, 8, 16, ?

(a) 128

(b) 14

(c) 108

(d) 32

Answer:

147. Look carefully for the pattern, and then choose which pair of numbers comes next

17 17 34 20 20 31 23 - -

(a) 26 23

(b) 34 20

(c) 23 33

(d) 23 28

Answer:

148. Look carefully for the pattern, and then choose which pair of numbers comes next

6 20 8 14 10 8 12

(a) 14 10

(b) 2 18

(c) 4 12

(d) 2 14

Answer:

149.

Find the minimum number of straight lines required to make the given figure.

(a) 9

(b) 11

(c) 15

(d) 16

Answer:

150.

Find the number of triangles in the given figure.
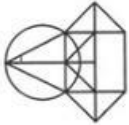
(a) 10

(b) 12

(c) 14

(d) 16

Answer:

151. Look carefully at the sequence of symbols to find the pattern. Select correct pattern

(a) 1

(b) 2

(c) 3

(d) 4

Answer:

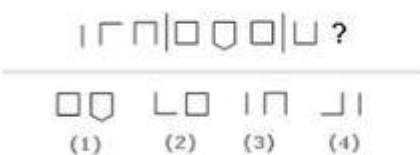152. Look carefully at the sequence of symbols to find the pattern. Select correct pattern

○ ○ ● | ▲ △ ▵ | □ ?

□▫ (1)   □▪ (2)   △▲ (3)   □■ (4)
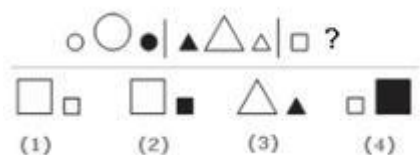
(a) 1

(b) 2

(c) 3

(d) 4

Answer:

153. Look carefully at the sequence of symbols to find the pattern. Select correct pattern

△□△|□○□|○◇○|◇□ ?

◇ (1)   □ (2)   ○ (3)   △ (4)
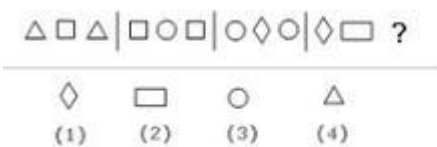
(a) 1

(b) 2

(c) 3

(d) 4

Answer:

154. Look carefully at the sequence of symbols to find the pattern. Select correct pattern

ı ⌐ ⊓ | □ ⊔ □ | ⊔ ?

□⊔ (1)   ⌐□ (2)   ı⊓ (3)   ⌐ı (4)

155. Find the missing number?

312, 312, 156, ?, 13

(a) 26

(b) 123

(c) 39

(d) 52

Answer:

156. Find the missing number?

2, 12, 60, 240, ?

(a) 380

(b) 720

(c) 480

(d) 540

Answer:

157. Look carefully for the pattern, and then choose which pair of numbers comes next

21 25 18 29 33 18

(a) 43 18

(b) 41 44

(c) 37 18

(d) 37 41

Answer:

158. Look carefully for the pattern, and then choose which pair of numbers comes next

75 65 85 55 45 85 35 - -

(a) 25 15

(b) 25 85

(c) 35 25

(d) 85 35

Answer:

159. Find the missing number?

1, 9, 31, 55, ?, 33, 11, 3

(a) 57

(b) 54

(c) 11

(d) 19

Answer:

160. Find the missing number?

2	5	12	3	15
3	7	16	?	31

(a) 11

(b) 5

(c) 19

(d) 7

Answer:

161. Look carefully for the pattern, and then choose which pair of numbers comes next

11 16 21 26 31 36 41

(a) 47 52

(b) 46 52

(c) 45 49

(d) 46 51

Answer:

162. Look carefully for the pattern, and then choose which pair of numbers comes next

3 8 13 18 23 28 33 - -

(a) 39 44

(b) 38 44

(c) 38 43

(d) 37 42

Answer:

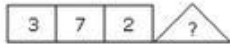163. Look carefully for the pattern, and then choose which pair of numbers comes next

84 78 72 66 60 54 48

(a) 44 34

(b) 42 36

(c) 42 32

(d) 40 34

Answer:

164. Look carefully for the pattern, and then choose which pair of numbers comes next

20 20 17 17 14 14 11

(a) 8 8

(b) 11 11

(c) 11 14

(d) 11 8

Answer:

165.

Which one will replace the question mark ?

A$_2$	C$_4$	E$_6$
G$_3$	I$_5$	?
M$_5$	O$_9$	Q$_{14}$

(a) L10

(b) K15

(c) I15

(d) K8

Answer:

166. Look carefully for the pattern, and then choose which pair of numbers comes next

61 57 50 61 43 36 61 - -

(a) 29 61

(b) 27 20

(c) 31 61

(d) 29 22

Answer:

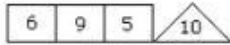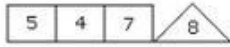167. Look carefully for the pattern, and then choose which pair of numbers comes next

9 12 11 14 13 16 15

(a) 14 13

(b) 18 21

(c) 14 17

(d) 18 17

Answer:

168.

Which one will replace the question mark ?

| 5 | 4 | 7 | 8 |

| 6 | 9 | 5 | 10 |

| 3 | 7 | 2 | ? |

(a) 1

(b) 4

(c) 3

(d) 6

Answer:

169. Look carefully for the pattern, and then choose which pair of numbers comes next

4 8 22 12 16 22 20 24 - -

(a) 28 32

(b) 28 22

(c) 22 28

(d) 32 36

Answer:

170. Look carefully for the pattern, and then choose which pair of numbers comes next
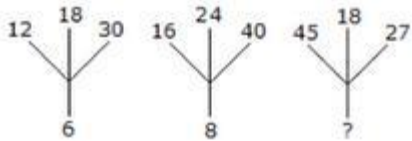
40 40 31 31 22 22 13 - -

(a) 13 4

(b) 13 5

(c) 4 13

(d) 9 4

Answer:

171.

Which one will replace the question mark ?

(a) 18

(b) 12

(c) 9

(d) 6

Answer:

172. Look carefully for the pattern, and then choose which pair of numbers comes next

1 10 7 20 13 30 19 - -

(a) 26 40

(b) 29 36

(c) 40 25

(d) 25 31

Answer:

173. Look carefully for the pattern, and then choose which pair of numbers comes next

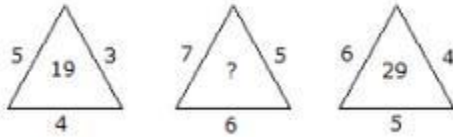10 20 25 35 40 50 55

(a) 70 65

(b) 60 70

(c) 60 75

(d) 65 70

Answer:

174.

Which one will replace the question mark ?

(a) 25

(b) 37

(c) 41

(d) 47

Answer:

175. Look carefully for the pattern, and then choose which pair of numbers comes next

28 25 5 21 18 5 14 - -

(a) 11 5

(b) 10 7

(c) 11 8

(d) 5 10

Answer:

176. Look carefully for the pattern, and then choose which pair of numbers comes next

8 11 21 15 18 21 22 - -
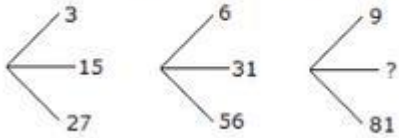
(a) 25 18

(b) 25 21

(c) 25 29

(d) 24 21

Answer:

177.

Which one will replace the question mark ?

(a) 45

(b) 41

(c) 32

(d) 40

Answer:

178. Look carefully for the pattern, and then choose which pair of numbers comes next

42 40 38 35 33 31 28

(a) 25 22

(b) 26 23

(c) 26 24

(d) 25 23

Answer:

179. Look carefully for the pattern, and then choose which pair of numbers comes next
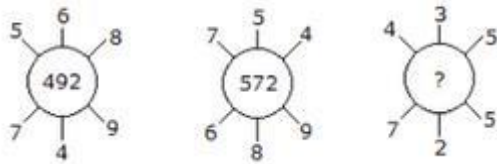
6 10 14 18 22 26 30

(a) 36 40

(b) 33 37

(c) 38 42

(d) 34 38

Answer:

180.

Which one will replace the question mark ?

(a) 115

(b) 130

(c) 135

(d) 140

Answer:

181. 9 : 25 : : 49 : ?

(a) 36

(b) 81

(c) 64

(d) 100

Answer:

Study the following number line and answer the questions that follow . 7 5 9 5 2 3 5 9 4 8 5 9 5 4 5 9 3 5 5 9 5 3 5 9 4 5 2 5 3 5 6 5 9 .
182. How many times is '5' is followed by '9'? But in such pairs, '3' should not come before '5'

(a) 3

(b) 4

(c) 5

(d) 6

Answer:

183. How many times do the two consecutive numbers (numbers one after the other) have a difference of 2?

(a) 5

(b) 7

(c) 9

(d) 8

Answer:

184. Out of the following four numbers three are similar in a certain way while one is different. Select the one which is different from the others?

(a) 8317

(b) 2543

(c) 8402

(d) 1580

Answer:

185.

If $\div$ means $\times$, $\times$ means $-$, $+$ means $\times$ and $-$ means $\div$, then

$$2 + 8 \times 16 - 4 \div 2 = ?$$

(a) 4

(b) 8

(c) 10

(d) 12

Answer:

186. Select the numeral pair / group which is different from others

(a) 8 - 14

(b) 12 - 26

(c) 6 - 8

(d) 10 – 30

Answer:

187. Look carefully for the pattern, and then choose which pair of numbers comes next

8 12 9 13 10 14 11 - -

(a) 14 11

(b) 15 12

(c) 8 15

(d) 15 19

Answer:

188. Look carefully for the pattern, and then choose which pair of numbers comes next

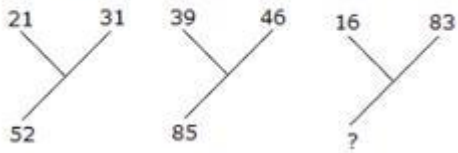36 31 29 24 22 17 15 - -

(a) 13 11

(b) 10 5

(c) 13 8

(d) 10 8

Answer:

189.

Which one will replace the question mark ?

21   31   39   46   16   83

52   85   ?

(a) 92

(b) 72

(c) 62

(d) 99

Answer:

190. Which number should come next in this series?

25,24,22,19,15

(a) 4

(b) 5

(c) 10

(d) 14

Answer:

191. Which number should come next in this series?

3,5,8,13,21, -

(a) 4

(b) 21

(c) 31

(d) 34

Answer:

192. Which number should replace the question mark?

17	18	5	5
13	7	5	4
6	12	6	3
10	6	4	?

(a) 4

(b) 5

(c) 6

(d) 7

Answer:

193. Which number should replace the question mark?

8	5	21
35	32	12
32	28	31
4	?	28

(a) 3

(b) -2

(c) -6

(d) 48

Answer:

194. Look carefully for the pattern, and then choose which pair of numbers comes next

3 5 35 10 12 35 17 - -

(a) 22 35

(b) 35 19

(c) 19 35

(d) 19 24

Answer:

195. Look carefully for the pattern, and then choose which pair of numbers comes next

13 29 15 26 17 23 19

(a) 21 23

(b) 20 21

(c) 20 17

(d) 25 27

Answer:

196.

Which one will replace the question mark ?

18	24	32
12	14	16
3	?	4
72	112	128

(a) 2

(b) 3

(c) 4

(d) 5

Answer:

197. Out of the following four numbers three are similar in a certain way while one is different. Select the one which is different from the others?

(a) 674

(b) 172

(c) 246

(d) 358

Answer:

198. Select the numeral pair / group which is different from others

(a) 27 - 18

(b) 48 - 56

(c) 39 - 36

(d) 28 – 51

Answer:

199. Look carefully for the pattern, and then choose which pair of numbers comes next

14 14 26 26 38 38 50 - -

(a) 60 72

(b) 50 62

(c) 50 72

(d) 62 62

Answer:

200. Look carefully for the pattern, and then choose which pair of numbers comes next

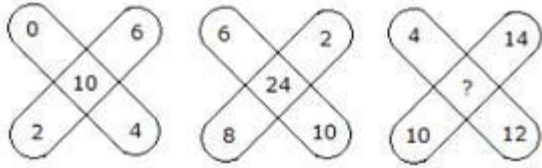44 41 38 35 32 29 26 - -

(a) 24 21

(b) 22 19

(c) 23 19

(d) 23 20

Answer:

201.

Which one will replace the question mark ?

(a) 36

(b) 48

(c) 38

(d) 30

Answer:

202. Out of the following four numbers three are similar in a certain way while one is different. Select the one which is different from the others?

(a) 160

(b) 240

(c) 320

(d) 120

Answer:

203. Select the numeral pair / group which is different from others?

(a) 70 - 140

(b) 80 - 150

(c) 14 - 21

(d) 35 – 42

Answer:

204. "25" is related to "27" in the same way as "37" is related to ?

(a) 35

(b) 40

(c) 64

(d) 74

Answer:

205. Look carefully for the pattern, and then choose which pair of numbers comes next

34 30 26 22 18 14 10 - -

(a) 8 6

(b) 6 4

(c) 14 18

(d) 6 2

Answer:

206. Look carefully for the pattern, and then choose which pair of numbers comes next

32 31 32 29 32 27 32 - -

(a) 25 32

(b) 31 32

(c) 29 32

(d) 25 30

Answer:

207.

Which one will replace the question mark ?

(a) 41

(b) 64

(c) 35

(d) 61

Answer:

208. Out of the following four numbers three are similar in a certain way while one is different. Select the one which is different from the others?

(a) 243

(b) 3

(c) 27

(d) 39

Answer:

209. Select the numeral pair / group which is different from others?

(a) 40 - 42

(b) 3 - 8

(c) 4 - 11

(d) 5 – 16

Answer:

210. If GO = 32, SHE = 49, then SOME will be equal to

(a) 64

(b) 56

(c) 58

(d) 62

Answer:

211. Look carefully for the pattern, and then choose which pair of numbers comes next

7 9 66 12 14 66 17 - -

(a) 19 66

(b) 66 19

(c) 19 22

(d) 20 66

Answer:

212. Look carefully for the pattern, and then choose which pair of numbers comes next

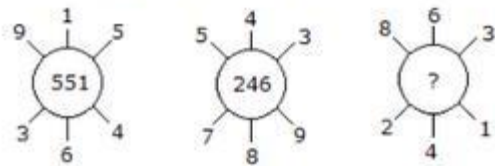3 8 10 15 17 22 24 - -

(a) 26 28

(b) 29 34

(c) 29 31

(d) 26 31

Answer:

213.

Which one will replace the question mark ?

(a) 262

(b) 622

(c) 631

(d) 824

Answer:

214. Out of the following four numbers three are similar in a certain way while one is different. Select the one which is different from the others

(a) 24

(b) 36

(c) 56

(d) 14

Answer:

215. Select the numeral pair / group which is different from others?

(a) 120 - 55

(b) 90 - 50

(c) 60 - 25

(d) 150 – 70

Answer:

216. If the letters PRABA are coded as 27595, and THILAK are coded as 368451, how can BHARATHI be coded?

(a) 57686535

(b) 96575368

(c) 96855368

(d) 37536689

Answer:

217. In a certain code MONKEY is written as XDJMNL, how is TIGER written in that code?

(a) SDFHS

(b) QDFHS

(c) UJFHS

(d) SHFDQ

Answer:

218. Look carefully for the pattern, and then choose which pair of numbers comes next

4 7 26 10 13 20 16 - -

(a) 14 4

(b) 14 17

(c) 18 14

(d) 19 14

Answer:

219. Look carefully for the pattern, and then choose which pair of numbers comes next

32 29 26 23 20 17 14 - -

(a) 11 8

(b) 12 8

(c) 11 7

(d) 32 29

Answer:

220. Out of the following four numbers three are similar in a certain way while one is different. Select the one which is different from the others?

(a) 64

(b) 72

(c) 75

(d) 65

Answer:

221. Select the numeral pair / group which is different from others?

(a) 9, 2, 3

(b) 21, 7, 8

(c) 75, 8, 9

(d) 15, 3, 4

Answer:

222. Look carefully for the pattern, and then choose which pair of numbers comes next

16 26 56 36 46 68 56 - -

(a) 80 66

(b) 64 82

(c) 66 80

(d) 78 68

Answer:

223. Look carefully for the pattern, and then choose which pair of numbers comes next

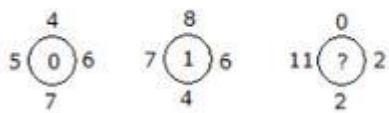2 44 4 41 6 38 8

(a) 10 12

(b) 35 32

(c) 34 9

(d) 35 10

Answer:

224.

Which one will replace the question mark ?

(a) 0

(b) 2

(c) 11

(d) 12

Answer:

225. Out of the following four numbers three are similar in a certain way while one is different. Select the one which is different from the others?

(a) 345

(b) 326

(c) 292

(d) 433

Answer:

226. Select the numeral pair / group which is different from others?

(a) 7 - 17

(b) 14 - 29

(c) 11 - 23

(d) 9 – 19

Answer:

227. In a certain code language 35796 is written as 44887. How is 46823 written in that code?

(a) 55714

(b) 57914

(c) 55914

(d) 55934

Answer:

228. Look carefully for the pattern, and then choose which pair of numbers comes next?

17 32 19 29 21 26 23 - -

(a) 25 25

(b) 20 22

(c) 23 25

(d) 25 22

Answer:

229. Look carefully for the pattern, and then choose which pair of numbers comes next?

17 14 14 11 11 8 8 - -

(a) 8 5

(b) 5 2

(c) 8 2

(d) 5 5

Answer:

230.

Which one will replace the question mark ?

7	4	5
8	7	6
3	3	?
29	19	31

(a) 3

(b) 5

(c) 4

(d) 6

Answer:

231. Out of the following four numbers three are similar in a certain way while one is different. Select the one which is different from the others?

(a) 54

(b) 56

(c) 27

(d) 81

Answer:

232. Select the numeral pair / group which is different from others?

(a) 50 - 18

(b) 10 - 6

(c) 15 - 9

(d) 45 – 27

Answer:

233. If ENGLAND is written as 1234526 and FRANCE is written as 785291, how is GREECE coded?

(a) 381191

(b) 835545

(c) 381151

(d) 832252

Answer:

234. Look carefully for the pattern, and then choose which pair of numbers comes next?

10 34 12 31 14 28 16 - -

(a) 25 18

(b) 30 13

(c) 19 26

(d) 18 20

Answer:

235. Look carefully for the pattern, and then choose which pair of numbers comes next?

11 14 14 17 17 20 20 - -

(a) 23 23

(b) 23 26

(c) 21 24

(d) 24 24

Answer:

236.

Which one will replace the question mark ?

7	9	21	27
4	2	36	18
9	4	54	?

(a) 18

(b) 24

(c) 36

(d) 58

Answer: