

► **Set 1** (Answers begin on page 99.)

Start off with these simple series of numbers. Number series questions measure your ability to reason without words. To answer these questions, you must determine the pattern of the numbers in each series before you will be able to choose which number comes next. These questions involve only simple arithmetic. Although most number series items progress by adding or subtracting, some questions involve simple multiplication or division. In each series, look for the degree and direction of change between the numbers. In other words, do the numbers increase or decrease, and by how much?

1. Look at this series: 2, 4, 6, 8, 10, . . . What number should come next?
 - a. 11
 - b. 12
 - c. 13
 - d. 14

2. Look at this series: 58, 52, 46, 40, 34, . . . What number should come next?
 - a. 26
 - b. 28
 - c. 30
 - d. 32

3. Look at this series: 40, 40, 47, 47, 54, . . . What number should come next?
 - a. 40
 - b. 44
 - c. 54
 - d. 61

4. Look at this series: 544, 509, 474, 439, . . . What number should come next?
 - a. 404
 - b. 414
 - c. 420
 - d. 445

5. Look at this series: 201, 202, 204, 207, . . . What number should come next?
 - a. 205
 - b. 208
 - c. 210
 - d. 211

6. Look at this series: 8, 22, 8, 28, 8, . . . What number should come next?
 - a. 9
 - b. 29
 - c. 32
 - d. 34

7. Look at this series: 80, 10, 70, 15, 60, . . . What number should come next?
 - a. 20
 - b. 25
 - c. 30
 - d. 50

8. Look at this series: 36, 34, 30, 28, 24, . . . What number should come next?
 - a. 20
 - b. 22
 - c. 23
 - d. 26

9. Look at this series: 22, 21, 23, 22, 24, 23, . . . What number should come next?
 - a. 22
 - b. 24
 - c. 25
 - d. 26

QUESTIONS

- 10.** Look at this series: 3, 4, 7, 8, 11, 12, . . . What number should come next?
a. 7
b. 10
c. 14
d. 15
- 11.** Look at this series: 31, 29, 24, 22, 17, . . . What number should come next?
a. 15
b. 14
c. 13
d. 12
- 12.** Look at this series: 21, 9, 21, 11, 21, 13, . . . What number should come next?
a. 14
b. 15
c. 21
d. 23
- 13.** Look at this series: 53, 53, 40, 40, 27, 27, . . . What number should come next?
a. 12
b. 14
c. 27
d. 53
- 14.** Look at this series: 2, 6, 18, 54, . . . What number should come next?
a. 108
b. 148
c. 162
d. 216
- 15.** Look at this series: 1,000, 200, 40, . . . What number should come next?
a. 8
b. 10
c. 15
d. 20
- 16.** Look at this series: 7, 10, 8, 11, 9, 12, . . . What number should come next?
a. 7
b. 10
c. 12
d. 13
- 17.** Look at this series: 14, 28, 20, 40, 32, 64, . . . What number should come next?
a. 52
b. 56
c. 96
d. 128
- 18.** 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
- 19.** 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
- 20.** Look at this series: 2, 1, $\frac{1}{2}$, $\frac{1}{4}$, . . . What number should come next?
a. $\frac{1}{3}$
b. $\frac{1}{8}$
c. $\frac{2}{8}$
d. $\frac{1}{16}$

QUESTIONS

► **Set 2** (Answers begin on page 101.)

This set contains additional, and sometimes more difficult, number series questions. Again, each question has a definite pattern. Some of the number series may be interrupted by a particular number that appears periodically in the pattern. For example, in the series 14, 16, 32, 18, 20, 32, 22, 24, 32, the number 32 appears as every third number. Sometimes, the pattern contains two alternating series. For example, in the series 1, 5, 3, 7, 5, 9, 7, the pattern is add 4, subtract 2, add 4, subtract 2, and so on. Look carefully for the pattern, and then choose which *pair* of numbers comes next. Note also that you will be choosing from five options instead of four.

21. 84 78 72 66 60 54 48

- a. 44 34
- b. 42 36
- c. 42 32
- d. 40 34
- e. 38 32

22. 3 8 13 18 23 28 33

- a. 39 44
- b. 38 44
- c. 38 43
- d. 37 42
- e. 33 38

23. 20 20 17 17 14 14 11

- a. 8 8
- b. 11 11
- c. 11 14
- d. 8 9
- e. 11 8

24. 18 21 25 18 29 33 18

- a. 43 18
- b. 41 44
- c. 37 18
- d. 37 41
- e. 38 41

25. 9 11 33 13 15 33 17

- a. 19 33
- b. 33 35
- c. 33 19
- d. 15 33
- e. 19 21

26. 2 8 14 20 26 32 38

- a. 2 46
- b. 44 50
- c. 42 48
- d. 40 42
- e. 32 26

27. 28 25 5 21 18 5 14

- a. 11 5
- b. 10 7
- c. 11 8
- d. 5 10
- e. 10 5

28. 9 12 11 14 13 16 15

- a. 14 13
- b. 18 21
- c. 14 17
- d. 12 13
- e. 18 17

29. 75 65 85 55 45 85 35

- a. 25 15
- b. 25 85
- c. 35 25
- d. 85 35
- e. 25 75

QUESTIONS

30. 1 10 7 20 13 30 19

- a. 26 40
- b. 29 36
- c. 40 25
- d. 25 31
- e. 40 50

31. 10 20 25 35 40 50 55

- a. 70 65
- b. 60 70
- c. 60 75
- d. 60 65
- e. 65 70

32. 40 40 31 31 22 22 13

- a. 13 4
- b. 13 5
- c. 4 13
- d. 9 4
- e. 4 4

33. 17 17 34 20 20 31 23

- a. 26 23
- b. 34 20
- c. 23 33
- d. 27 28
- e. 23 28

34. 2 3 4 5 6 4 8

- a. 9 10
- b. 4 8
- c. 10 4
- d. 9 4
- e. 8 9

35. 61 57 50 61 43 36 61

- a. 29 61
- b. 27 20
- c. 31 61
- d. 22 15
- e. 29 22

36. 9 16 23 30 37 44 51

- a. 59 66
- b. 56 62
- c. 58 66
- d. 58 65
- e. 54 61

37. 8 22 12 16 22 20 24

- a. 28 32
- b. 28 22
- c. 22 28
- d. 32 36
- e. 22 26

38. 6 20 8 14 10 8 12

- a. 14 10
- b. 2 18
- c. 4 12
- d. 2 14
- e. 14 14

39. 11 16 21 26 31 36 41

- a. 47 52
- b. 46 52
- c. 45 49
- d. 46 51
- e. 46 52

40. 8 11 21 15 18 21 22

- a. 25 18
- b. 25 21
- c. 25 29
- d. 24 21
- e. 22 26

QUESTIONS

► Set 3 (Answers begin on page 102.)

This set will give you additional practice dealing with number series questions.

- 41.** 44 41 38 35 32 29 26
a. 24 21
b. 22 19
c. 23 19
d. 29 32
e. 23 20
- 42.** 6 10 14 18 22 26 30
a. 36 40
b. 33 37
c. 38 42
d. 34 36
e. 34 38
- 43.** 34 30 26 22 18 14 10
a. 8 6
b. 6 4
c. 14 18
d. 6 2
e. 4 0
- 44.** 2 44 4 41 6 38 8
a. 10 12
b. 35 32
c. 34 9
d. 35 10
e. 10 52
- 45.** 32 29 26 23 20 17 14
a. 11 8
b. 12 8
c. 11 7
d. 32 29
e. 10 9
- 46.** 14 14 26 26 38 38 50
a. 60 72
b. 50 62
c. 50 72
d. 62 62
e. 62 80
- 47.** 8 12 9 13 10 14 11
a. 14 11
b. 15 12
c. 8 15
d. 15 19
e. 8 5
- 48.** 4 7 26 10 13 20 16
a. 14 4
b. 14 17
c. 18 14
d. 19 13
e. 19 14
- 49.** 3 8 10 15 17 22 24
a. 26 28
b. 29 34
c. 29 31
d. 26 31
e. 26 32
- 50.** 17 14 14 11 11 8 8
a. 8 5
b. 5 2
c. 8 2
d. 5 5
e. 5 8
- 51.** 13 29 15 26 17 23 19
a. 21 23
b. 20 21
c. 20 17
d. 25 27
e. 22 20

QUESTIONS

52. 16 26 56 36 46 68 56

- a. 80 66
- b. 64 82
- c. 66 80
- d. 78 68
- e. 66 82

53. 7 9 66 12 14 66 17

- a. 19 66
- b. 66 19
- c. 19 22
- d. 20 66
- e. 66 20

54. 3 5 35 10 12 35 17

- a. 22 35
- b. 35 19
- c. 19 35
- d. 19 24
- e. 22 24

55. 36 31 29 24 22 17 15

- a. 13 11
- b. 10 5
- c. 13 8
- d. 12 7
- e. 10 8

56. 42 40 38 35 33 31 28

- a. 25 22
- b. 26 23
- c. 26 24
- d. 25 23
- e. 26 22

57. 11 14 14 17 17 20 20

- a. 23 23
- b. 23 26
- c. 21 24
- d. 24 24
- e. 24 27

58. 17 32 19 29 21 26 23

- a. 25 25
- b. 20 22
- c. 23 25
- d. 25 22
- e. 27 32

59. 10 34 12 31 14 28 16

- a. 25 18
- b. 30 13
- c. 19 26
- d. 18 20
- e. 25 22

60. 32 31 32 29 32 27 32

- a. 25 32
- b. 31 32
- c. 29 32
- d. 25 30
- e. 29 30

► **Set 4** (Answers begin on page 103.)

This set contains additional number series questions, some of which are in Roman numerals. These items differ from Sets 1, 2, and 3 because they ask you to find the number that fits somewhere into the *middle* of the series. Some of the items involve both numbers and letters; for these questions, look for a number series *and* a letter series. (For additional practice in working letter series questions, see Set 5.)

- 61.** 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
- 62.** Look at this series: 15, __, 27, 27, 39, 39, . . .
What number should fill the blank?
a. 51
b. 39
c. 23
d. 15
- 63.** Look at this series: 83, 73, 93, 63, __, 93, 43, . . .
What number should fill the blank?
a. 33
b. 53
c. 73
d. 93
- 64.** 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
- 65.** Look at this series: 72, 76, 73, 77, 74, __, 75, . . .
What number should fill the blank?
a. 70
b. 71
c. 75
d. 78
- 66.** Look at this series: 70, 71, 76, __, 81, 86, 70, 91, . . .
What number should fill the blank?
a. 70
b. 71
c. 80
d. 96
- 67.** Look at this series: 664, 332, 340, 170, __, 89, . . .
What number should fill the blank?
a. 85
b. 97
c. 109
d. 178
- 68.** 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
- 69.** Look at this series: $\frac{1}{9}$, $\frac{1}{3}$, 1, __, 9, . . . What number should fill the blank?
a. $\frac{2}{3}$
b. 3
c. 6
d. 27
- 70.** Look at this series: U32, V29, __, X23, Y20, . . .
What number should fill the blank?
a. W26
b. W17
c. Z17
d. Z26

QUESTIONS

71. Look at this series: J14, L16, __, P20, R22, . . .

What number should fill the blank?

- a. S24
- b. N18
- c. M18
- d. T24

72. Look at this series: F2, __, D8, C16, B32, . . .

What number should fill the blank?

- a. A16
- b. G4
- c. E4
- d. E3

73. Look at this series: V, VIII, XI, XIV, __, XX, . . .

What number should fill the blank?

- a. IX
- b. XXIII
- c. XV
- d. XVII

74. Look at this series: XXIV, XX, __, XII, VIII, . . .

What number should fill the blank?

- a. XXII
- b. XIII
- c. XVI
- d. IV

75. Look at this series: VI, 10, V, 11, __, 12, III, . . .

What number should fill the blank?

- a. II
- b. IV
- c. IX
- d. 14

► **Set 5** (Answers begin on page 104.)

Another type of sequence question involves a series of letters in a pattern. Usually, these questions use the letters' alphabetical order as a base. To make matters more complicated, sometimes subscript numbers will be thrown into the letter sequence. In these series, you will be looking at both the letter pattern and the number pattern. Some of these questions ask you to fill the blank in the middle of the series; others ask you to add to the end of the series.

- 76.** QPO NML KJI _____ EDC
 a. HGF
 b. CAB
 c. JKL
 d. GHI
- 77.** JAK KBL LCM MDN _____
 a. OEP
 b. NEO
 c. MEN
 d. PFQ
- 78.** B_2CD _____ BCD_4 B_5CD BC_6D
 a. B_2C_2D
 b. BC_3D
 c. B_2C_3D
 d. BCD_7
- 79.** ELFA GLHA ILJA _____ MLNA
 a. OLPA
 b. KLMA
 c. LLMA
 d. KLLA
- 80.** P_5QR P_4QS P_3QT _____ PQV
 a. PQW
 b. PQV_2
 c. P_2QU
 d. PQ_3U
- 81.** CMM EOO GQQ _____ KUU
 a. GRR
 b. GSS
 c. ISS
 d. ITT
- 82.** QAR RAS SAT TAU _____
 a. UAV
 b. UAT
 c. TAS
 d. TAT
- 83.** DEF DEF_2 DE_2F_2 _____ $D_2E_2F_3$
 a. DEF_3
 b. D_3EF_3
 c. D_2E_3F
 d. $D_2E_2F_2$
- 84.** SCD TEF UGH _____ WKL
 a. CMN
 b. UJI
 c. VIJ
 d. IJT
- 85.** FAG GAF HAI IAH _____
 a. JAK
 b. HAL
 c. HAK
 d. JAI
- 86.** BCB DED FGF HIH _____
 a. JKJ
 b. HJH
 c. IJI
 d. JHJ
- 87.** ZA_5 Y_4B XC_6 W_3D _____
 a. E_7V
 b. V_2E
 c. VE_5
 d. VE_7