

► **Set 1**

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. $\frac{1}{16}$

► Set 2

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

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

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?
- 8
 - 14
 - 43
 - 44
- 62.** Look at this series: 15, __, 27, 27, 39, 39, ...
What number should fill in the blank?
- 51
 - 39
 - 23
 - 15
- 63.** Look at this series: 83, 73, 93, 63, __, 93, 43, ...
What number should fill in the blank?
- 33
 - 53
 - 73
 - 93
- 64.** Look at this series: 4, 7, 25, 10, __, 20, 16, 19, ...
What number should fill in the blank?
- 13
 - 15
 - 20
 - 28
- 65.** Look at this series: 72, 76, 73, 77, 74, __, 75, ...
What number should fill the blank?
- 70
 - 71
 - 75
 - 78
- 66.** Look at this series: 70, 71, 76, __, 81, 86, 70, 91, ...
What number should fill the blank?
- 70
 - 71
 - 80
 - 96
- 67.** Look at this series: 664, 332, 340, 170, __, 89, ...
What number should fill the blank?
- 85
 - 97
 - 109
 - 178
- 68.** Look at this series: 0.15, 0.3, __, 1.2, 2.4, ...
What number should fill the blank?
- 4.8
 - 0.006
 - 0.6
 - 0.9
- 69.** Look at this series: $\frac{1}{9}$, $\frac{1}{3}$, 1, __, 9, ... What number should fill the blank?
- $\frac{2}{3}$
 - 3
 - 6
 - 27
- 70.** Look at this series: U32, V29, __, X23, Y20, ...
What number should fill the blank?
- W26
 - W17
 - Z17
 - 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

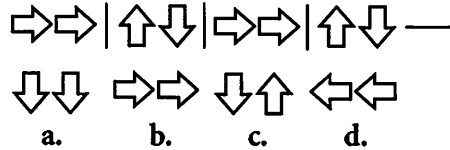
Another type of sequence question involves a series of letters in a pattern. Usually, these questions use the letters' alphabetical order as a base. To make matters more complicated, sometimes subscript numbers will be thrown into the letter sequence. In these series, you will be looking at both the 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 HIIH _____
 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

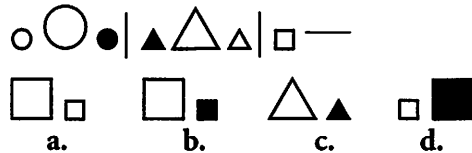
► Set 6

This set contains sequence questions that use a series of nonverbal, nonnumber symbols. Look carefully at the sequence of symbols to find the pattern.

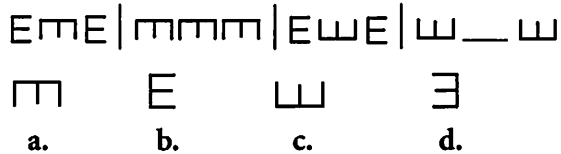
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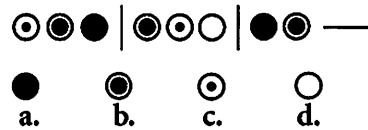
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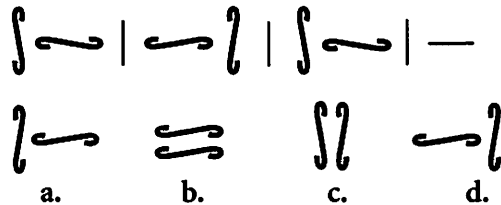
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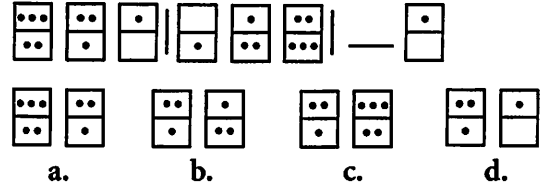
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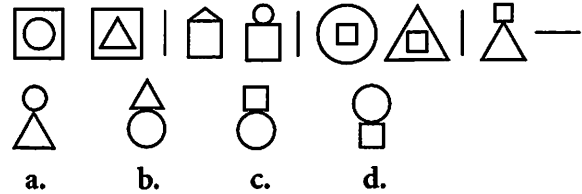
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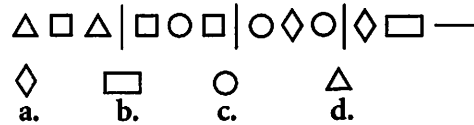
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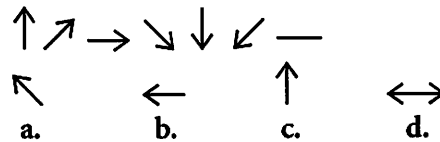
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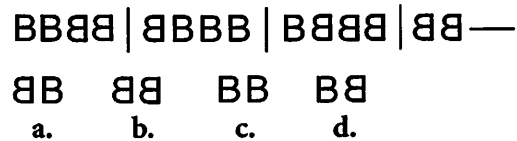
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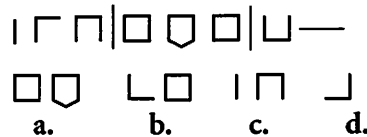
96.



97.



98.



QUESTIONS

99.



a.

b.

c.

d.

100.



a.

b.

c.

d.

101.



a.

b.

c.

d.

► Set 7

The next two sets contain verbal classification questions. For these questions, the important thing (as the name “verbal classification” indicates) is to *classify* the words in the four answer choices. Three of the words will be in the same classification; the remaining one will not be. Your answer will be the one word that does NOT belong in the same classification as the others.

- 102.** Which word does NOT belong with the others?
 a. leopard
 b. cougar
 c. elephant
 d. lion
- 103.** Which word does NOT belong with the others?
 a. couch
 b. rug
 c. table
 d. chair
- 104.** Which word does NOT belong with the others?
 a. tape
 b. twine
 c. cord
 d. yarn
- 105.** Which word does NOT belong with the others?
 a. guitar
 b. flute
 c. violin
 d. cello
- 106.** Which word does NOT belong with the others?
 a. tulip
 b. rose
 c. bud
 d. daisy
- 107.** Which word does NOT belong with the others?
 a. tire
 b. steering wheel
 c. engine
 d. car
- 108.** Which word does NOT belong with the others?
 a. parsley
 b. basil
 c. dill
 d. mayonnaise
- 109.** Which word does NOT belong with the others?
 a. branch
 b. dirt
 c. leaf
 d. root
- 110.** Which word does NOT belong with the others?
 a. unimportant
 b. trivial
 c. insignificant
 d. familiar
- 111.** Which word does NOT belong with the others?
 a. book
 b. index
 c. glossary
 d. chapter