

} **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

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** (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

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