Average

---

1. The average of the first five composite numbers is:

   A) 7

   B) 7.4

   C) 8

   D) 8.4

   Answer: B) 7.4

2. The average of three numbers is 15. If the numbers are in the ratio 1:2:3, find the largest number.

   A) 15

   B) 22.5

   C) 30

   D) 37.5

   Answer: B) 22.5

3. The average weight of 10 oarsmen in a boat is increased by 1.8 kg when one of the crew, who weighs 53 kg, is replaced by a new man. Find the weight of the new man.

   A) 68 kg

   B) 70 kg

   C) 71 kg

   D) 72 kg

   Answer: C) 71 kg

4. The average of 5 numbers is 18. If one number is removed, the average becomes 16. The removed number is:

   A) 24

   B) 26

   C) 28

   D) 30

   Answer: B) 26

5. The average of the reciprocals of x and y is:

A) (x+y)/2

B) 2/(x+y)

C) (x+y)/2xy

D) 2xy/(x+y)

Answer: C) (x+y)/2xy

6. The average of a set of 7 numbers is 8. If a number is added to the set, the average becomes 9. What is the number that was added?

A) 15

B) 16

C) 17

D) 18

Answer: B) 16

7. The average age of a group of friends is 25 years. If 4 new friends with an average age of 21 years join the group, the average age of the whole group becomes 23 years. Find the original number of friends.

A) 4

B) 6

C) 8

D) 10

Answer: A) 4

8. The average of the first 100 even numbers is:

A) 100

B) 101

C) 102

D) 103

Answer: B) 101

9. A library has an average of 510 visitors on Sundays and 240 on other days. The average number of visitors per day in a month of 30 days beginning with a Sunday is:

   A) 285

   B) 290

   C) 295

   D) 300

   Answer: A) 285

10. The average of three numbers is x. If one of the numbers is y and another is z, the third number is:

   A) 3x - y - z

   B) x - y - z

   C) 3x + y + z

   D) x + y + z

   Answer: A) 3x - y - z

11. The average score of a class of boys and girls in an examination is A. The ratio of boys and girls in the class is 3:1. If the average score of the boys is A+1, the average score of the girls is:

   A) A-1

   B) A-2

   C) A-3

   D) A+2

   Answer: C) A-3

12. The average of all the numbers between 6 and 34 which are divisible by 5 is:

   A) 18

   B) 20

   C) 24

   D) 30

   Answer: B) 20

13. The average of the first 20 multiples of 7 is:

A) 70

B) 73.5

C) 77

D) 80.5

Answer: B) 73.5

14. The average of 10 numbers is calculated as 15. It is discovered later that while calculating the average, one number, namely 36, was wrongly read as 26. The correct average is:

A) 14

B) 16

C) 18

D) 20

Answer: B) 16

15. The average age of a husband and his wife, who were married 4 years ago, was 25 years then. The average age of the family consisting of the husband, wife and a child, born during the interval, is 20 years today. The age of the child is:

A) 1 year

B) 2 years

C) 2.5 years

D) 3 years

Answer: B) 2 years

16. The average of the first five multiples of 11 is:

A) 22

B) 33

C) 44

D) 55

Answer: B) 33

17. If the average of 6, 8, 10, 12, x is 9, then the value of x is:

A) 9

B) 10

C) 11

D) 13

Answer: A) 9

18. The average of the ages of 3 students is 15 years. Their ages are in the proportion 2:3:4. The age of the youngest student is:

A) 10 years

B) 12 years

C) 15 years

D) 18 years

Answer: A) 10 years

19. The average of the first 10 multiples of 6 is:

A) 33

B) 35

C) 37

D) 39

Answer: A) 33

20. The average of 5 consecutive even numbers is 40. What is the smallest of these numbers?

A) 32

B) 34

C) 36

D) 38

Answer: C) 36

21. The average of a group of men is increased by 5 years when a person aged 18 years is replaced by a new person of age 38 years. How many men are there in the group?

A) 3

B) 4

C) 5

D) 6

Answer: B) 4

22. The average of all prime numbers between 20 and 40 is:

   A) 29

   B) 30

   C) 31

   D) 32

   Answer: B) 30

23. The average of the first 30 natural numbers is:

   A) 15

   B) 15.5

   C) 16

   D) 16.5

   Answer: B) 15.5

24. The average of three numbers is 135. The largest number is 180 and the difference between the other two is 25. The smallest number is:

   A) 100

   B) 115

   C) 125

   D) 130

   Answer: A) 100

25. The average weight of 16 boys in a class is 50.25 kg and that of the remaining 8 boys is 45.15 kg. Find the average weight of all the boys in the class.

   A) 47.55 kg

   B) 48 kg

   C) 48.55 kg

   D) 49 kg

   Answer: C) 48.55 kg

26. The average of the first 100 odd numbers is:

   A) 50

   B) 50.5

   C) 100

   D) 100.5

   Answer: C) 100

27. The average of the numbers x and 1/x is:

   A) $(x^2+1)/2x$

   B) $(x^2-1)/2x$

   C) $(x^2+1)/x$

   D) $(x^2-1)/x$

   Answer: A) $(x^2+1)/2x$

28. The average of the first 10 multiples of 8 is:

   A) 40

   B) 42

   C) 44

   D) 46

   Answer: C) 44

29. The average of 8 numbers is 20. If the sum of the first two numbers is 31, the average of the next three numbers is 21 1/3 and the seventh and eighth numbers exceed the sixth number by 4 and 7 respectively, then the eighth number is:

   A) 20

   B) 25

   C) 30

   D) 35

   Answer: B) 25

30. The average of the first 10 multiples of 4 is:

A) 20

B) 22

C) 24

D) 26

Answer: B) 22

31. The average of 5 consecutive integers is 'a'. The average of the next 5 consecutive integers is:

A) a+1

B) a+2

C) a+5

D) a+10

Answer: C) a+5

32. The average of all two-digit numbers is:

A) 50

B) 50.5

C) 54

D) 54.5

Answer: D) 54.5

33. The average of the first 10 multiples of 2 is:

A) 10

B) 11

C) 12

D) 13

Answer: B) 11

34. The average age of 15 students is 18 years. The average age of 5 of them is 16 years and that of another 5 is 19 years. What is the average age of the remaining 5 students?

A) 17 years

B) 18 years

C) 19 years

D) 20 years

Answer: C) 19 years

35. The average of the first 10 multiples of 1 is:

A) 5

B) 5.5

C) 6

D) 6.5

Answer: B) 5.5

36. A batsman in his 12th inning makes a score of 63 runs and thereby increases his average score by 2. What is his average after the 12th inning?

A) 41

B) 40

C) 39

D) 38

Answer: A) 41

37. The average of the first 10 multiples of 12 is:

A) 60

B) 66

C) 72

D) 78

Answer: B) 66

38. The average of the first 10 multiples of 11 is:

A) 55

B) 60.5

C) 66

D) 71.5

Answer: B) 60.5

39. The average of 5 numbers is 140. If one number is excluded, the average of the remaining 4 numbers is 130. The excluded number is:

A) 150

B) 160

C) 170

D) 180

Answer: D) 180

40. The average of the first 10 multiples of 13 is:

A) 65

B) 71.5

C) 78

D) 84.5

Answer: B) 71.5

41. The average of the first 10 multiples of 14 is:

A) 70

B) 77

C) 84

D) 91

Answer: B) 77

42. The average of the first 10 multiples of 15 is:

A) 75

B) 82.5

C) 90

D) 97.5

Answer: B) 82.5

43. The average of the first 10 multiples of 16 is:

A) 80

B) 88

C) 96

D) 104

Answer: B) 88

44. The average of the first 10 multiples of 17 is:

A) 85

B) 93.5

C) 102

D) 110.5

Answer: B) 93.5

45. The average of the first 10 multiples of 18 is:

A) 90

B) 99

C) 108

D) 117

Answer: B) 99

46. The average of the first 10 multiples of 19 is:

A) 95

B) 104.5

C) 114

D) 123.5

Answer: B) 104.5

47. The average of the first 10 multiples of 20 is:

A) 100

B) 110

C) 120

D) 130

Answer: B) 110

48. The average of the first 20 multiples of 2 is:

A) 20

B) 21

C) 22

D) 23

Answer: B) 21

49. The average of the first 20 multiples of 4 is:

A) 40

B) 42

C) 44

D) 46

Answer: B) 42

50. The average of the first 20 multiples of 5 is:

A) 50

B) 52.5

C) 55

D) 57.5

Answer: B) 52.5

51. The average of the first 20 multiples of 6 is:

A) 60

B) 63

C) 66

D) 69

Answer: B) 63

52. The average of the first 20 multiples of 8 is:

   A) 80

   B) 84

   C) 88

   D) 92

   Answer: B) 84

53. The average of the first 20 multiples of 9 is:

   A) 90

   B) 94.5

   C) 99

   D) 103.5

   Answer: B) 94.5

54. The average of the first 20 multiples of 10 is:

   A) 100

   B) 105

   C) 110

   D) 115

   Answer: B) 105

55. The average of the first 20 multiples of 11 is:

   A) 110

   B) 115.5

   C) 121

   D) 126.5

   Answer: B) 115.5

56. The average of the first 20 multiples of 12 is:

   A) 120

B) 126

C) 132

D) 138

Answer: B) 126

57. The average of the first 20 multiples of 13 is:

   A) 130

   B) 136.5

   C) 143

   D) 149.5

   Answer: B) 136.5

58. The average of the first 20 multiples of 14 is:

   A) 140

   B) 147

   C) 154

   D) 161

   Answer: B) 147

59. The average of the first 20 multiples of 15 is:

   A) 150

   B) 157.5

   C) 165

   D) 172.5

   Answer: B) 157.5

60. The average of the first 20 multiples of 16 is:

   A) 160

   B) 168

   C) 176

   D) 184

Answer: B) 168

61. The average of the first 20 multiples of 17 is:

   A) 170

   B) 178.5

   C) 187

   D) 195.5

   Answer: B) 178.5

62. The average of the first 20 multiples of 18 is:

   A) 180

   B) 189

   C) 198

   D) 207

   Answer: B) 189

63. The average of the first 20 multiples of 19 is:

   A) 190

   B) 199.5

   C) 209

   D) 218.5

   Answer: B) 199.5

64. The average of the first 20 multiples of 20 is:

   A) 200

   B) 210

   C) 220

   D) 230

   Answer: B) 210

65. The average of the first 30 multiples of 2 is:

A) 30

B) 31

C) 32

D) 33

Answer: B) 31

66. The average of the first 30 multiples of 3 is:

   A) 45

   B) 46.5

   C) 48

   D) 49.5

   Answer: B) 46.5

67. The average of the first 30 multiples of 4 is:

   A) 60

   B) 62

   C) 64

   D) 66

   Answer: B) 62

68. The average of the first 30 multiples of 5 is:

   A) 75

   B) 77.5

   C) 80

   D) 82.5

   Answer: B) 77.5

69. The average of the first 30 multiples of 6 is:

   A) 90

   B) 93

   C) 96

D) 99

Answer: B) 93

70. The average of the first 30 multiples of 7 is:

A) 105

B) 108.5

C) 112

D) 115.5

Answer: B) 108.5

71. The average of the first 30 multiples of 8 is:

A) 120

B) 124

C) 128

D) 132

Answer: B) 124

72. The average of the first 30 multiples of 9 is:

A) 135

B) 139.5

C) 144

D) 148.5

Answer: B) 139.5

73. The average of the first 30 multiples of 10 is:

A) 150

B) 155

C) 160

D) 165

Answer: B) 155

74. The average of the first 30 multiples of 11 is:

   A) 165

   B) 170.5

   C) 176

   D) 181.5

   Answer: B) 170.5

75. The average of the first 30 multiples of 12 is:

   A) 180

   B) 186

   C) 192

   D) 198

   Answer: B) 186

76. The average of the first 30 multiples of 13 is:

   A) 195

   B) 201.5

   C) 208

   D) 214.5

   Answer: B) 201.5

77. The average of the first 30 multiples of 14 is:

   A) 210

   B) 217

   C) 224

   D) 231

   Answer: B) 217

78. The average of the first 30 multiples of 15 is:

   A) 225

   B) 232.5

C) 240

D) 247.5

Answer: B) 232.5

79. The average of the first 30 multiples of 16 is:

A) 240

B) 248

C) 256

D) 264

Answer: B) 248

80. The average of the first 30 multiples of 17 is:

A) 255

B) 263.5

C) 272

D) 280.5

Answer: B) 263.5

81. The average of the first 30 multiples of 18 is:

A) 270

B) 279

C) 288

D) 297

Answer: B) 279

82. The average of the first 30 multiples of 19 is:

A) 285

B) 294.5

C) 304

D) 313.5

Answer: B) 294.5

83. The average of the first 30 multiples of 20 is:

   A) 300

   B) 310

   C) 320

   D) 330

   Answer: B) 310

84. The average of the first 40 multiples of 2 is:

   A) 40

   B) 41

   C) 42

   D) 43

   Answer: B) 41

85. The average of the first 40 multiples of 3 is:

   A) 60

   B) 61.5

   C) 63

   D) 64.5

   Answer: B) 61.5

86. The average of the first 40 multiples of 4 is:

   A) 80

   B) 82

   C) 84

   D) 86

   Answer: B) 82

87. The average of the first 40 multiples of 5 is:

   A) 100

B) 102.5

C) 105

D) 107.5

Answer: B) 102.5

88. The average of the first 40 multiples of 6 is:

   A) 120

   B) 123

   C) 126

   D) 129

   Answer: B) 123

89. The average of the first 40 multiples of 7 is:

   A) 140

   B) 143.5

   C) 147

   D) 150.5

   Answer: B) 143.5

90. The average of the first 40 multiples of 8 is:

   A) 160

   B) 164

   C) 168

   D) 172

   Answer: B) 164

91. The average of the first 40 multiples of 9 is:

   A) 180

   B) 184.5

   C) 189

   D) 193.5

Answer: B) 184.5

92. The average of the first 40 multiples of 10 is:

   A) 200

   B) 205

   C) 210

   D) 215

   Answer: B) 205

93. The average of the first 40 multiples of 11 is:

   A) 220

   B) 225.5

   C) 231

   D) 236.5

   Answer: B) 225.5

94. The average of the first 40 multiples of 12 is:

   A) 240

   B) 246

   C) 252

   D) 258

   Answer: B) 246

95. The average of the first 40 multiples of 13 is:

   A) 260

   B) 266.5

   C) 273

   D) 279.5

   Answer: B) 266.5

96. The average of the first 40 multiples of 14 is:

A) 280

B) 287

C) 294

D) 301

Answer: B) 287

97. The average of the first 40 multiples of 15 is:

A) 300

B) 307.5

C) 315

D) 322.5

Answer: B) 307.5

98. The average of the first 40 multiples of 16 is:

A) 320

B) 328

C) 336

D) 344

Answer: B) 328

99. The average of the first 40 multiples of 17 is:

A) 340

B) 348.5

C) 357

D) 365.5

Answer: B) 348.5

100. The average of the first 40 multiples of 18 is:

A) 360

B) 369

C) 378

D) 387

Answer: B) 369