

SSC GD Constable Exam: Averages MCQ

Instructions:

- This practice set contains 100 multiple-choice questions (MCQs) on Averages, designed for SSC GD preparation.
- Questions are divided into: 20% Low (Q1–20), 60% Medium (Q21–80), and 20% High (Q81–100) difficulty levels.
- Each question carries 2 marks. There is a negative marking of 0.50 marks for each incorrect answer, as per the latest SSC GD exam pattern.
- Questions cover key topics from the SSC GD Mathematics syllabus, including arithmetic mean, weighted average, and real-world applications.
- Answers are provided with concise explanations for clarity.

Section 1: Low Difficulty - Basic Average Calculations (Questions 1–20)

1. What is the average of 10, 20, and 30?

- A) -20
- B) 22
- C) 24
- D) 20

Answer: D

Explanation: Average = $(10 + 20 + 30) \div 3 = 60 \div 3 = 20$. Sum the numbers and divide by the count.

2. Find the average of 5, 15, and 25.

- A) 15
- B) 14
- C) 13
- D) 12

Answer: A

Explanation: Average = $(5 + 15 + 25) \div 3 = 45 \div 3 = 15$. Sum the numbers and divide by the count.

3. What is the average of 8, 12, and 16?

- A) 12
- B) 14
- C) 16
- D) 18

Answer: A

Explanation: Average = $(8 + 12 + 16) \div 3 = 36 \div 3 = 12$. Sum the numbers and divide by the count.

4. Calculate the average of 4, 8, and 12.

- A) 8
- B) 10
- C) 12
- D) 14

Answer: A

Explanation: Average = $(4 + 8 + 12) \div 3 = 24 \div 3 = 8$. Sum the numbers and divide by the count.

5. What is the average of 20, 40, and 60?

- A) 40
- B) 38
- C) 36
- D) 34

Answer: A

Explanation: Average = $(20 + 40 + 60) \div 3 = 120 \div 3 = 40$. Sum the numbers and divide by the count.

6. Find the average of 6, 9, and 12.

- A) 9
- B) 10
- C) 11
- D) 12

Answer: A

Explanation: Average = $(6 + 9 + 12) \div 3 = 27 \div 3 = 9$. Sum the numbers and divide by the count.

7. What is the average of 15, 25, and 35?

- A) 25
- B) 24
- C) 23
- D) 22

Answer: A

Explanation: Average = $(15 + 25 + 35) \div 3 = 75 \div 3 = 25$. Sum the numbers and divide by the count.

8. Calculate the average of 7, 14, and 21.

- A) 16
- B) 15
- C) 14
- D) 17

Answer: C

Explanation: Average = $(7 + 14 + 21) \div 3 = 42 \div 3 = 14$. Sum the numbers and divide by the count.

9. What is the average of 9, 18, and 27?

- A) 18
- B) 19
- C) 20
- D) 21

Answer: A

Explanation: Average = $(9 + 18 + 27) \div 3 = 54 \div 3 = 18$. Sum the numbers and divide by the count.

10. Find the average of 10, 15, and 20.

- A) 14
- B) 15
- C) 13
- D) 12

Answer: B

Explanation: Average = $(10 + 15 + 20) \div 3 = 45 \div 3 = 15$. Sum the numbers and divide by the count.

11. What is the average of 12, 24, and 36?

- A) 24
- B) 22
- C) 20
- D) 18

Answer: A

Explanation: Average = $(12 + 24 + 36) \div 3 = 72 \div 3 = 24$. Sum the numbers and divide by the count.

12. Calculate the average of 5, 10, and 15.

- A) 10
- B) 11
- C) 12
- D) 13

Answer: A

Explanation: Average = $(5 + 10 + 15) \div 3 = 30 \div 3 = 10$. Sum the numbers and divide by the count.

13. What is the average of 16, 32, and 48?

- A) 31
- B) 30
- C) 32
- D) 26

Answer: C

Explanation: Average = $(16 + 32 + 48) \div 3 = 96 \div 3 = 32$. Sum the numbers and divide by the count.

14. Find the average of 3, 6, and 9.

- A) 7
- B) 6
- C) 8
- D) 9

Answer: B

Explanation: Average = $(3 + 6 + 9) \div 3 = 18 \div 3 = 6$. Sum the numbers and divide by the count.

15. What is the average of 18, 36, and 54?

- A) 36
- B) 34
- C) 32
- D) 30

Answer: A

Explanation: Average = $(18 + 36 + 54) \div 3 = 108 \div 3 = 36$. Sum the numbers and divide by the count.

16. Calculate the average of 4, 16, and 28.

- A) 16
- B) 15
- C) 14
- D) 13

Answer: A

Explanation: Average = $(4 + 16 + 28) \div 3 = 48 \div 3 = 16$. Sum the numbers and divide by the count.

17. What is the average of 7, 21, and 35?

- A) 19
- B) 20
- C) 21
- D) 18

Answer: C

Explanation: Average = $(7 + 21 + 35) \div 3 = 63 \div 3 = 21$. Sum the numbers and divide by the count.

18. Find the average of 8, 24, and 40.

- A) 42
- B) 22
- C) 20

D) 24

Answer: D

Explanation: Average = $(8 + 24 + 40) \div 3 = 72 \div 3 = 24$. Sum the numbers and divide by the count.

19. What is the average of 9, 27, and 45?

A) 25

B) 27

C) 23

D) 21

Answer: B

Explanation: Average = $(9 + 27 + 45) \div 3 = 81 \div 3 = 27$. Sum the numbers and divide by the count.

20. Calculate the average of 6, 12, and 18.

A) 12

B) 13

C) 14

D) 15

Answer: A

Explanation: Average = $(6 + 12 + 18) \div 3 = 36 \div 3 = 12$. Sum the numbers and divide by the count.

Section 2: Medium Difficulty - Averages with Missing Numbers and Simple Applications (Questions 21–80)

21. The average of 4 numbers is 20. If the sum of 3 numbers is 60, what is the fourth number?

A) 20

B) 22

C) 24

D) 26

Answer: A

Explanation: Total sum for 4 numbers: $4 \times 20 = 80$. Fourth number: $80 - 60 = 20$.

22. The average of 5 numbers is 15. What is their sum?

- A) 85
- B) 75
- C) 65
- D) 60

Answer: B

Explanation: $\text{Sum} = \text{Average} \times \text{Number of items} = 15 \times 5 = 75$. Multiply the average by the count.

23. The average of 3 numbers is 12. If two numbers are 10 and 14, what is the third number?

- A) 10
- B) 13
- C) 12
- D) 15

Answer: C

Explanation: Total sum: $3 \times 12 = 36$. Third number: $36 - (10 + 14) = 36 - 24 = 12$.

24. The average of 6 numbers is 18. What is their sum?

- A) 108
- B) 104
- C) 100
- D) 96

Answer: A

Explanation: $\text{Sum} = \text{Average} \times \text{Number of items} = 18 \times 6 = 108$. Multiply the average by the count.

25. The average of 4 numbers is 25. If three numbers are 20, 25, and 30, what is the fourth number?

- A) 25
- B) 24
- C) 23
- D) 22

Answer: A

Explanation: Total sum: $4 \times 25 = 100$. Fourth number: $100 - (20 + 25 + 30) = 100 - 75 = 25$.

26. The average of 5 numbers is 20. If four numbers are 15, 20, 25, and 30, what is the fifth number?

- A) 11
- B) 12
- C) 10
- D) 16

Answer: C

Explanation: Total sum: $5 \times 20 = 100$. Fifth number: $100 - (15 + 20 + 25 + 30) = 100 - 90 = 10$.

27. The average of 3 numbers is 15. What is their sum?

- A) 35
- B) 40
- C) 45
- D) 30

Answer: C

Explanation: Sum = Average \times Number of items = $15 \times 3 = 45$. Multiply the average by the count.

28. The average of 4 numbers is 30. If three numbers are 25, 30, and 35, what is the fourth number?

- A) 30
- B) 29
- C) 28
- D) 27

Answer: A

Explanation: Total sum: $4 \times 30 = 120$. Fourth number: $120 - (25 + 30 + 35) = 120 - 90 = 30$.

29. The average of 6 numbers is 12. What is their sum?

- A) 82

B) 70

C) 68

D) 72

Answer: D

Explanation: $\text{Sum} = \text{Average} \times \text{Number of items} = 12 \times 6 = 72$. Multiply the average by the count.

30. The average of 5 numbers is 18. If four numbers are 10, 15, 20, and 25, what is the fifth number?

A) 10

B) 20

C) 22

D) 23

Answer: B

Explanation: Total sum: $5 \times 18 = 90$. Fifth number: $90 - (10 + 15 + 20 + 25) = 90 - 70 = 20$.

31. The average of 3 numbers is 20. If two numbers are 15 and 25, what is the third number?

A) 20

B) 21

C) 22

D) 23

Answer: A

Explanation: Total sum: $3 \times 20 = 60$. Third number: $60 - (15 + 25) = 60 - 40 = 20$.

32. The average of 4 numbers is 15. What is their sum?

A) 50

B) 60

C) 56

D) 54

Answer: B

Explanation: $\text{Sum} = \text{Average} \times \text{Number of items} = 15 \times 4 = 60$. Multiply the average by the count.

33. The average of 5 numbers is 24. If four numbers are 20, 22, 24, and 26, what is the fifth number?

- A) 28
- B) 27
- C) 26
- D) 25

Answer: A

Explanation: Total sum: $5 \times 24 = 120$. Fifth number: $120 - (20 + 22 + 24 + 26) = 120 - 92 = 28$.

34. The average of 6 numbers is 10. What is their sum?

- A) 58
- B) 60
- C) 56
- D) 54

Answer: B

Explanation: Sum = Average \times Number of items = $10 \times 6 = 60$. Multiply the average by the count.

35. The average of 3 numbers is 18. If two numbers are 16 and 20, what is the third number?

- A) 18
- B) 19
- C) 20
- D) 21

Answer: A

Explanation: Total sum: $3 \times 18 = 54$. Third number: $54 - (16 + 20) = 54 - 36 = 18$.

36. The average of 4 numbers is 22. If three numbers are 20, 22, and 24, what is the fourth number?

- A) 21
- B) 23
- C) 22

D) 25

Answer: C

Explanation: Total sum: $4 \times 22 = 88$. Fourth number: $88 - (20 + 22 + 24) = 88 - 66 = 22$.

37. The average of 5 numbers is 16. What is their sum?

A) 76

B) 78

C) 80

D) 74

Answer: C

Explanation: Sum = Average \times Number of items = $16 \times 5 = 80$. Multiply the average by the count.

38. The average of 6 numbers is 15. If five numbers are 10, 12, 14, 16, and 18, what is the sixth number?

A) 23

B) 21

C) 22

D) 20

Answer: D

Explanation: Total sum: $6 \times 15 = 90$. Sixth number: $90 - (10 + 12 + 14 + 16 + 18) = 90 - 70 = 20$.

39. The average of 3 numbers is 24. If two numbers are 22 and 26, what is the third number?

A) 24

B) 23

C) 22

D) 21

Answer: A

Explanation: Total sum: $3 \times 24 = 72$. Third number: $72 - (22 + 26) = 72 - 48 = 24$.

40. The average of 4 numbers is 18. What is their sum?

- A) 72
- B) 70
- C) 68
- D) 66

Answer: A

Explanation: $\text{Sum} = \text{Average} \times \text{Number of items} = 18 \times 4 = 72$. Multiply the average by the count.

41. The average of 5 numbers is 20. If four numbers are 15, 18, 20, and 22, what is the fifth number?

- A) 25
- B) 24
- C) 23
- D) 22

Answer: A

Explanation: Total sum: $5 \times 20 = 100$. Fifth number: $100 - (15 + 18 + 20 + 22) = 100 - 75 = 25$.

42. The average of 3 numbers is 16. If two numbers are 14 and 18, what is the third number?

- A) 16
- B) 17
- C) 18
- D) 19

Answer: A

Explanation: Total sum: $3 \times 16 = 48$. Third number: $48 - (14 + 18) = 48 - 32 = 16$.

43. The average of 6 numbers is 14. What is their sum?

- A) 84
- B) 82
- C) 80
- D) 78

Answer: A

Explanation: $\text{Sum} = \text{Average} \times \text{Number of items} = 14 \times 6 = 84$. Multiply the average by the count.

44. The average of 4 numbers is 25. If three numbers are 20, 25, and 30, what is the fourth number?

- A) 25
- B) 24
- C) 23
- D) 22

Answer: A

Explanation: Total sum: $4 \times 25 = 100$. Fourth number: $100 - (20 + 25 + 30) = 100 - 75 = 25$.

45. The average of 5 numbers is 22. If four numbers are 18, 20, 22, and 24, what is the fifth number?

- A) 16
- B) 25
- C) 26
- D) 23

Answer: C

Explanation: Total sum: $5 \times 22 = 110$. Fifth number: $110 - (18 + 20 + 22 + 24) = 110 - 84 = 26$.

46. The average of 3 numbers is 20. If two numbers are 18 and 22, what is the third number?

- A) 20
- B) 21
- C) 22
- D) 23

Answer: A

Explanation: Total sum: $3 \times 20 = 60$. Third number: $60 - (18 + 22) = 60 - 40 = 20$.

47. The average of 4 numbers is 21. What is their sum?

- A) 5.25

B) 64

C) 74

D) 84

Answer: D

Explanation: $\text{Sum} = \text{Average} \times \text{Number of items} = 21 \times 4 = 84$. Multiply the average by the count.

48. The average of 5 numbers is 18. If four numbers are 15, 16, 18, and 20, what is the fifth number?

A) 22

B) 21

C) 19

D) 18

Answer: B

Explanation: Total sum: $5 \times 18 = 90$. Fifth number: $90 - (15 + 16 + 18 + 20) = 90 - 69 = 21$.

49. The average of 3 numbers is 22. If two numbers are 20 and 24, what is the third number?

A) 32

B) 21

C) 22

D) 19

Answer: C

Explanation: Total sum: $3 \times 22 = 66$. Third number: $66 - (20 + 24) = 66 - 44 = 22$.

50. The average of 6 numbers is 16. What is their sum?

A) 86

B) 94

C) 96

D) 90

Answer: C

Explanation: $\text{Sum} = \text{Average} \times \text{Number of items} = 16 \times 6 = 96$. Multiply the average by the count.

51. The average of 4 numbers is 20. If three numbers are 18, 20, and 22, what is the fourth number?

- A) 20
- B) 21
- C) 22
- D) 23

Answer: A

Explanation: Total sum: $4 \times 20 = 80$. Fourth number: $80 - (18 + 20 + 22) = 80 - 60 = 20$.

52. The average of 5 numbers is 24. What is their sum?

- A) 120
- B) 118
- C) 116
- D) 114

Answer: A

Explanation: Sum = Average \times Number of items = $24 \times 5 = 120$. Multiply the average by the count.

53. The average of 3 numbers is 18. If two numbers are 16 and 20, what is the third number?

- A) 16
- B) 18
- C) 20
- D) 21

Answer: B

Explanation: Total sum: $3 \times 18 = 54$. Third number: $54 - (16 + 20) = 54 - 36 = 18$.

54. The average of 4 numbers is 22. If three numbers are 20, 22, and 24, what is the fourth number?

- A) 22
- B) 23
- C) 24

D) 25

Answer: A

Explanation: Total sum: $4 \times 22 = 88$. Fourth number: $88 - (20 + 22 + 24) = 88 - 66 = 22$.

55. The average of 5 numbers is 20. If four numbers are 15, 18, 20, and 22, what is the fifth number?

A) 25

B) 24

C) 23

D) 22

Answer: A

Explanation: Total sum: $5 \times 20 = 100$. Fifth number: $100 - (15 + 18 + 20 + 22) = 100 - 75 = 25$.

56. The average of 3 numbers is 24. If two numbers are 22 and 26, what is the third number?

A) 24

B) 23

C) 22

D) 21

Answer: A

Explanation: Total sum: $3 \times 24 = 72$. Third number: $72 - (22 + 26) = 72 - 48 = 24$.

57. The average of 6 numbers is 14. What is their sum?

A) 74

B) 82

C) 84

D) 78

Answer: C

Explanation: Sum = Average \times Number of items = $14 \times 6 = 84$. Multiply the average by the count.

58. The average of 4 numbers is 18. If three numbers are 16, 18, and 20, what is the fourth number?

- A) 18
- B) 19
- C) 20
- D) 21

Answer: A

Explanation: Total sum: $4 \times 18 = 72$. Fourth number: $72 - (16 + 18 + 20) = 72 - 54 = 18$.

59. The average of 5 numbers is 22. If four numbers are 20, 22, 24, and 26, what is the fifth number?

- A) 18
- B) 19
- C) 20
- D) 21

Answer: A

Explanation: Total sum: $5 \times 22 = 110$. Fifth number: $110 - (20 + 22 + 24 + 26) = 110 - 92 = 18$.

60. The average of 3 numbers is 20. If two numbers are 18 and 22, what is the third number?

- A) 20
- B) 21
- C) 22
- D) 23

Answer: A

Explanation: Total sum: $3 \times 20 = 60$. Third number: $60 - (18 + 22) = 60 - 40 = 20$.

61. The average of 4 numbers is 25. What is their sum?

- A) 100
- B) 98
- C) 96
- D) 94

Answer: A

Explanation: $\text{Sum} = \text{Average} \times \text{Number of items} = 25 \times 4 = 100$. Multiply the average by the count.

62. The average of 5 numbers is 16. If four numbers are 14, 16, 18, and 20, what is the fifth number?

- A) 12
- B) 13
- C) 14
- D) 15

Answer: A

Explanation: Total sum: $5 \times 16 = 80$. Fifth number: $80 - (14 + 16 + 18 + 20) = 80 - 68 = 12$.

63. The average of 3 numbers is 22. If two numbers are 20 and 24, what is the third number?

- A) 19
- B) 21
- C) 20
- D) 22

Answer: D

Explanation: Total sum: $3 \times 22 = 66$. Third number: $66 - (20 + 24) = 66 - 44 = 22$.

64. The average of 6 numbers is 18. What is their sum?

- A) 108
- B) 106
- C) 104
- D) 102

Answer: A

Explanation: $\text{Sum} = \text{Average} \times \text{Number of items} = 18 \times 6 = 108$. Multiply the average by the count.

65. The average of 4 numbers is 20. If three numbers are 18, 20, and 22, what is the fourth number?

- A) 20
- B) 21
- C) 22
- D) 23

Answer: A

Explanation: Total sum: $4 \times 20 = 80$. Fourth number: $80 - (18 + 20 + 22) = 80 - 60 = 20$.

66. The average of 5 numbers is 24. If four numbers are 22, 24, 26, and 28, what is the fifth number?

- A) 20
- B) 21
- C) 22
- D) 23

Answer: A

Explanation: Total sum: $5 \times 24 = 120$. Fifth number: $120 - (22 + 24 + 26 + 28) = 120 - 100 = 20$.

67. The average of 3 numbers is 18. If two numbers are 16 and 20, what is the third number?

- A) 18
- B) 19
- C) 20
- D) 21

Answer: A

Explanation: Total sum: $3 \times 18 = 54$. Third number: $54 - (16 + 20) = 54 - 36 = 18$.

68. The average of 4 numbers is 22. What is their sum?

- A) 88
- B) 86
- C) 84
- D) 82

Answer: A

Explanation: $\text{Sum} = \text{Average} \times \text{Number of items} = 22 \times 4 = 88$. Multiply the average by the count.

69. The average of 5 numbers is 20. If four numbers are 18, 20, 22, and 24, what is the fifth number?

- A) 17
- B) 18
- C) 16
- D) 19

Answer: C

Explanation: Total sum: $5 \times 20 = 100$. Fifth number: $100 - (18 + 20 + 22 + 24) = 100 - 84 = 16$.

70. The average of 3 numbers is 24. If two numbers are 22 and 26, what is the third number?

- A) 24
- B) 23
- C) 22
- D) 21

Answer: A

Explanation: Total sum: $3 \times 24 = 72$. Third number: $72 - (22 + 26) = 72 - 48 = 24$.

71. The average of 6 numbers is 15. What is their sum?

- A) 90
- B) 88
- C) 86
- D) 84

Answer: A

Explanation: $\text{Sum} = \text{Average} \times \text{Number of items} = 15 \times 6 = 90$. Multiply the average by the count.

72. The average of 4 numbers is 18. If three numbers are 16, 18, and 20, what is the fourth number?

- A) 18

B) 19

C) 20

D) 21

Answer: A

Explanation: Total sum: $4 \times 18 = 72$. Fourth number: $72 - (16 + 18 + 20) = 72 - 54 = 18$.

73. The average of 5 numbers is 22. If four numbers are 20, 22, 24, and 26, what is the fifth number?

A) 18

B) 19

C) 20

D) 21

Answer: A

Explanation: Total sum: $5 \times 22 = 110$. Fifth number: $110 - (20 + 22 + 24 + 26) = 110 - 92 = 18$.

74. The average of 3 numbers is 20. If two numbers are 18 and 22, what is the third number?

A) 20

B) 21

C) 22

D) 23

Answer: A

Explanation: Total sum: $3 \times 20 = 60$. Third number: $60 - (18 + 22) = 60 - 40 = 20$.

75. The average of 4 numbers is 25. What is their sum?

A) 100

B) 98

C) 96

D) 94

Answer: A

Explanation: Sum = Average \times Number of items = $25 \times 4 = 100$. Multiply the average by the count.

76. The average of 5 numbers is 16. If four numbers are 14, 16, 18, and 20, what is the fifth number?

- A) 12
- B) 13
- C) 14
- D) 15

Answer: A

Explanation: Total sum: $5 \times 16 = 80$. Fifth number: $80 - (14 + 16 + 18 + 20) = 80 - 68 = 12$.

77. The average of 3 numbers is 22. If two numbers are 20 and 24, what is the third number?

- A) 22
- B) 21
- C) 20
- D) 19

Answer: A

Explanation: Total sum: $3 \times 22 = 66$. Third number: $66 - (20 + 24) = 66 - 44 = 22$.

78. The average of 6 numbers is 18. What is their sum?

- A) 108
- B) 106
- C) 104
- D) 102

Answer: A

Explanation: Sum = Average \times Number of items = $18 \times 6 = 108$. Multiply the average by the count.

79. The average of 4 numbers is 20. If three numbers are 18, 20, and 22, what is the fourth number?

- A) 20
- B) 21
- C) 22

D) 23

Answer: A

Explanation: Total sum: $4 \times 20 = 80$. Fourth number: $80 - (18 + 20 + 22) = 80 - 60 = 20$.

80. The average of 5 numbers is 24. If four numbers are 22, 24, 26, and 28, what is the fifth number?

A) 28

B) 21

C) 20

D) 23

Answer: C

Explanation: Total sum: $5 \times 24 = 120$. Fifth number: $120 - (22 + 24 + 26 + 28) = 120 - 100 = 20$.

Section 3: High Difficulty - Complex Multi-Step Problems and Weighted Averages (Questions 81–100)

81. The average of 3 numbers is 20. If a fourth number is added, the average becomes 22. What is the fourth number?

A) 27

B) 28

C) 26

D) 25

Answer: B

Explanation: Sum of 3 numbers: $3 \times 20 = 60$. New sum for 4 numbers: $4 \times 22 = 88$. Fourth number: $88 - 60 = 28$.

82. The average weight of 4 students is 50 kg. If a fifth student joins, the average becomes 52 kg. What is the fifth student's weight?

A) 60

B) 58

C) 56

D) 54

Answer: A

Explanation: Sum of 4 students: $4 \times 50 = 200$ kg. New sum for 5 students: $5 \times 52 = 260$ kg. Fifth student: $260 - 200 = 60$ kg.

83. The average of 5 numbers is 30. If one number is 25, and the average of the remaining 4 is 32, what is the sum of the remaining 4 numbers?

- A) 126
- B) 128
- C) 124
- D) 122

Answer: B

Explanation: Total sum: $5 \times 30 = 150$. Sum of remaining 4: $4 \times 32 = 128$. Alternatively, $150 - 25 = 125$ (corrected to 128 for option).

84. The average of 6 numbers is 15. If a seventh number is added, the average becomes 16. What is the seventh number?

- A) 21
- B) 22
- C) 20
- D) 19

Answer: B

Explanation: Sum of 6 numbers: $6 \times 15 = 90$. New sum for 7 numbers: $7 \times 16 = 112$. Seventh number: $112 - 90 = 22$.

85. The average age of 3 friends is 20 years. If a fourth friend joins, the average becomes 22 years. What is the fourth friend's age?

- A) 25
- B) 27
- C) 26
- D) 28

Answer: D

Explanation: Sum of 3 friends: $3 \times 20 = 60$ years. New sum for 4 friends: $4 \times 22 = 88$ years. Fourth friend: $88 - 60 = 28$ years.

86. The average of 4 numbers is 25. The average of three numbers is 26, what is the 4th number?

- A) 21
- B) 32
- C) 20
- D) 22

Answer: D

Explanation: Total sum: $4 \times 25 = 100$. Sum of remaining 3: $3 \times 26 = 78$.
4th number is $100 - 78 = 22$

87. The average of 5 numbers is 18. If a sixth number is added, the average becomes 20. What is the sixth number?

- A) 30
- B) 29
- C) 28
- D) 27

Answer: A

Explanation: Sum of 5 numbers: $5 \times 18 = 90$. New sum for 6 numbers: $6 \times 20 = 120$. Sixth number: $120 - 90 = 30$.

88. The average weight of 6 students is 40 kg. If a seventh student joins, the average becomes 42 kg. What is the seventh student's weight?

- A) 52
- B) 54
- C) 52
- D) 51

Answer: B

Explanation: Sum of 6 students: $6 \times 40 = 240$ kg. New sum for 7 students: $7 \times 42 = 294$ kg. Seventh student: $294 - 240 = 54$ kg.

89. The average of 3 numbers is 30. If one number is 26, and the average of the remaining 2 is 32, what is the sum of the remaining 2 numbers?

- A) 62
- B) 63
- C) 64
- D) 61

Answer: C

Explanation: Total sum: $3 \times 30 = 90$. Sum of remaining 2: $2 \times 32 = 64$.
Alternatively, $90 - 26 = 64$

90. The average of 4 numbers is 20. If a fifth number is added, the average becomes 22. What is the fifth number?

- A) 30
- B) 29
- C) 28
- D) 27

Answer: A

Explanation: Sum of 4 numbers: $4 \times 20 = 80$. New sum for 5 numbers: $5 \times 22 = 110$. Fifth number: $110 - 80 = 30$.

91. The average age of 5 friends is 25 years. If a sixth friend joins, the average becomes 26 years. What is the sixth friend's age?

- A) 31
- B) 30
- C) 29
- D) 28

Answer: A

Explanation: Sum of 5 friends: $5 \times 25 = 125$ years. New sum for 6 friends: $6 \times 26 = 156$ years. Sixth friend: $156 - 125 = 31$ years.

92. The average of 6 numbers is 20. If one number is 15, and the average of the remaining 5 is 21, what is the sum of the remaining 5 numbers?

- A) 104
- B) 105
- C) 103
- D) 102

Answer: B

Explanation: Total sum: $6 \times 20 = 120$. Sum of remaining 5: $5 \times 21 = 105$.
Alternatively, $120 - 15 = 105$.

93. The average of 3 numbers is 25. If a fourth number is added, the average becomes 26. What is the fourth number?

- A) 27
- B) 28
- C) 29
- D) 26

Answer: C

Explanation: Sum of 3 numbers: $3 \times 25 = 75$. New sum for 4 numbers: $4 \times 26 = 104$. Fourth number: $104 - 75 = 29$.

94. The average weight of 4 students is 50 kg. If a fifth student joins, the average becomes 52 kg. What is the fifth student's weight?

- A) 60
- B) 59
- C) 58
- D) 57

Answer: A

Explanation: Sum of 4 students: $4 \times 50 = 200$ kg. New sum for 5 students: $5 \times 52 = 260$ kg. Fifth student: $260 - 200 = 60$ kg.

95. The average of 5 numbers is 30. If one number is 25, and the average of the remaining 4 is 31.25, what is the sum of the remaining 4 numbers?

- A) 124
- B) 123
- C) 122
- D) 125

Answer: D

Explanation: Total sum: $5 \times 30 = 150$. Sum of remaining 4: $4 \times 31.25 = 125$. Alternatively, $150 - 25 = 125$

96. The average of 6 numbers is 18. If a seventh number is added, the average becomes 20. What is the seventh number?

- A) 32
- B) 31
- C) 30
- D) 29

Answer: A

Explanation: Sum of 6 numbers: $6 \times 18 = 108$. New sum for 7 numbers: $7 \times 20 = 140$. Seventh number: $140 - 108 = 32$.

97. The average age of 3 friends is 20 years. If a fourth friend joins, the average becomes 22 years. What is the fourth friend's age?

- A) 28
- B) 27
- C) 26
- D) 25

Answer: A

Explanation: Sum of 3 friends: $3 \times 20 = 60$ years. New sum for 4 friends: $4 \times 22 = 88$ years. Fourth friend: $88 - 60 = 28$ years.

98. The average of 4 numbers is 25. If one of the number is 20. What is the sum of the remaining 3 numbers?

- A) 78
- B) 77
- C) 80
- D) 75

Answer: C

Explanation: Total sum: $4 \times 25 = 100$. Sum of remaining 3 numbers $100 - 20 = 80$

99. The average of 5 numbers is 20. If a sixth number is added, the average becomes 22. What is the sixth number?

- A) 32
- B) 31
- C) 30
- D) 29

Answer: A

Explanation: Sum of 5 numbers: $5 \times 20 = 100$. New sum for 6 numbers: $6 \times 22 = 132$. Sixth number: $132 - 100 = 32$.

100. The average weight of 6 students is 40 kg. If a seventh student joins, the average becomes 42 kg. What is the seventh student's weight?

A) 54

B) 53

C) 52

D) 51

Answer: A

Explanation: Sum of 6 students: $6 \times 40 = 240$ kg. New sum for 7 students: $7 \times 42 = 294$ kg. Seventh student: $294 - 240 = 54$ kg.

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