

generated_pdf

■ Ratio MCQ

■ 1–25 (Basic Level)

1. 2 : 4 ka simplest form kya hai?

- A) 1:2 ■
- B) 2:1
- C) 4:2
- D) 3:2

■

2. 10 : 20 = ?

- A) 1:2 ■
- B) 2:1
- C) 3:2
- D) 4:1

■

3. 3 : 9 = ?

- A) 1:2
- B) 1:3 ■
- C) 2:3
- D) 3:1

■

4. 8 : 16 = ?

- A) 1:2 ■
- B) 2:1
- C) 4:1
- D) 3:2

■

5. 15 : 45 = ?

- A) 1:2
- B) 1:3 ■
- C) 2:3
- D) 3:5

■

■

6. 6 : 8 = ?

- A) 2:3
- B) 3:4 ■
- C) 4:3
- D) 1:2

■

7. 9 : 12 = ?

- A) 3:4 ■

- B) 4:3
- C) 2:3
- D) 1:2



8. $12 : 18 = ?$

- A) 2:3 ■
- B) 3:2
- C) 4:3
- D) 1:2



9. $16 : 20 = ?$

- A) 3:4
- B) 4:5 ■
- C) 5:4
- D) 2:3



10. $25 : 100 = ?$

- A) 1:4 ■
- B) 2:5
- C) 3:4
- D) 4:1



11. $2 : 3 = 4 : x, x = ?$

- A) 5
- B) 6 ■
- C) 7
- D) 8



12. $3 : 5 = x : 10$

- A) 4
- B) 5
- C) 6 ■
- D) 7



13. $4 : 7 = 8 : x$

- A) 12
- B) 13
- C) 14 ■
- D) 15



14. $5 : 6 = x : 18$

- A) 12
- B) 15 ■

- C) 16
- D) 18



15. $7 : 8 = 21 : x$

- A) 20
- B) 22
- C) 24 ■
- D) 26



■ 26–50 (Medium Level)

26. Ratio 2:3, total = 100. First part = ?

- A) 30
- B) 40 ■
- C) 50
- D) 60



27. Ratio 3:5, total = 80. Second part = ?

- A) 30
- B) 40
- C) 50 ■
- D) 60



28. Ratio 4:6, total = 100. First part = ?

- A) 30
- B) 40 ■
- C) 50
- D) 60



29. Ratio 5:7, total = 120. Second part = ?

- A) 60
- B) 70 ■
- C) 80
- D) 90



30. Ratio 1:4, total = 50. First part = ?

- A) 10 ■
- B) 15
- C) 20
- D) 25



31. 2 numbers ka ratio 3:4 hai, sum = 70. Smaller = ?

- A) 20
- B) 30
- C) 40
- D) 50



32. Ratio 5:6, sum = 55. Larger = ?

- A) 25
- B) 30
- C) 35
- D) 40



33. Ratio 7:3, sum = 100. First = ?

- A) 60
- B) 70
- C) 80
- D) 90



34. Ratio 2:5, sum = 140. Second = ?

- A) 80
- B) 90
- C) 100
- D) 110



35. Ratio 4:9, sum = 130. First = ?

- A) 30
- B) 40
- C) 50
- D) 60



36. $8:10 = ?$ (simplest form)

- A) 3:4
- B) 4:5
- C) 5:4
- D) 2:3



37. $12:15 = ?$

- A) 3:4
- B) 4:5
- C) 5:4
- D) 2:3



38. $18:24 = ?$

- A) 3:4

- B) 4:3
- C) 2:3
- D) 1:2



39. $20:50 = ?$

- A) 2:5 ■
- B) 5:2
- C) 3:4
- D) 4:5



40. $14:21 = ?$

- A) 2:3 ■
- B) 3:2
- C) 4:3
- D) 1:2



■ 51–75 (Exam Level)

51. $3:4 = 9:x$, $x = ?$

- A) 10
- B) 11
- C) 12 ■
- D) 13



52. $5:8 = 10:x$

- A) 12
- B) 14
- C) 16 ■
- D) 18



53. $6:7 = x:21$

- A) 16
- B) 18 ■
- C) 20
- D) 22



54. $9:11 = 27:x$

- A) 30
- B) 33 ■
- C) 36
- D) 39



55. $4:5 = x:25$

- A) 15
- B) 20
- C) 25
- D) 30



56. Ratio 2:3, total = 150. First = ?

- A) 50
- B) 60
- C) 70
- D) 80



57. Ratio 3:7, total = 200. Second = ?

- A) 120
- B) 130
- C) 140
- D) 150



58. Ratio 4:5, sum = 180. Larger = ?

- A) 80
- B) 90
- C) 100
- D) 110



59. Ratio 6:4, sum = 100. First = ?

- A) 50
- B) 60
- C) 70
- D) 80



60. Ratio 7:8, sum = 150. Second = ?

- A) 70
- B) 75
- C) 80
- D) 85



61. $1:2 = x:20$

- A) 5
- B) 10
- C) 15
- D) 20



62. $2:5 = x:50$

- A) 10
- B) 15
- C) 20
- D) 25



63. $3:4 = x:40$

- A) 25
- B) 30
- C) 35
- D) 40



64. $5:6 = x:60$

- A) 40
- B) 45
- C) 50
- D) 55



65. $7:9 = x:90$

- A) 60
- B) 65
- C) 70
- D) 75



66. Ratio 2:3, sum = 250. First = ?

- A) 90
- B) 100
- C) 110
- D) 120



67. Ratio 3:2, sum = 150. Larger = ?

- A) 80
- B) 90
- C) 100
- D) 110



68. Ratio 5:3, sum = 160. First = ?

- A) 90
- B) 100
- C) 110
- D) 120



69. Ratio 8:7, sum = 150. Smaller = ?

- A) 60

- B) 70
- C) 80
- D) 90

■

70. Ratio 9:1, sum = 200. Smaller = ?

- A) 10
- B) 15
- C) 20
- D) 25

■

■

71. $4:9 = 20:x$

- A) 40
- B) 45
- C) 50
- D) 55

■

72. $6:5 = 30:x$

- A) 20
- B) 25
- C) 30
- D) 35

■

73. $7:3 = 14:x$

- A) 5
- B) 6
- C) 7
- D) 8

■

74. $8:4 = x:20$

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

■

75. $9:6 = x:30$

- A) 40
- B) 45
- C) 50
- D) 55

■ 76. $3:5 = 12:x$, $x = ?$

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

D) 24

■ Trick: Cross multiply

$$3x = 12 \times 5 = 60$$

$$x = 20$$

■

■ 77. $4:7 = x:21$

A) 10

B) 11

C) 12 ■

D) 14

■ Trick:

$$x = (4 \times 21) / 7 = 12$$

■

■ 78. $5:9 = 10:x$

A) 16

B) 18 ■

C) 20

D) 22

■ Trick:

$$x = (9 \times 10) / 5 = 18$$

■

■ 79. $6:8 = x:24$

A) 16

B) 18 ■

C) 20

D) 22

■ Trick:

$$x = (6 \times 24) / 8 = 18$$

■

■ 80. $7:11 = 21:x$

A) 30

B) 33 ■

C) 36

D) 39

■ Trick:

$$x = (11 \times 21) / 7 = 33$$

■

■

■ 81. Ratio 2:3, total = 250. First = ?

- A) 80
- B) 90
- C) 100 ■
- D) 110

■ Trick:

Total parts = 5

■ $250 \div 5 = 50$

■ $\text{First} = 50 \times 2 = 100$

■

■ 82. Ratio 4:5, total = 180. Second = ?

- A) 80
- B) 90
- C) 100 ■
- D) 110

■ Trick:

Total parts = 9

■ $180 \div 9 = 20$

■ $\text{Second} = 20 \times 5 = 100$

■

■ 83. Ratio 3:7, total = 200. First = ?

- A) 50
- B) 60 ■
- C) 70
- D) 80

■ Trick:

Total parts = 10

■ $200 \div 10 = 20$

■ $\text{First} = 20 \times 3 = 60$

■

■ 84. Ratio 5:3, total = 160. Second = ?

- A) 50
- B) 60 ■
- C) 70
- D) 80

■ Trick:

Total parts = 8

■ $160 \div 8 = 20$

■ $\text{Second} = 20 \times 3 = 60$

■

■ 85. Ratio 6:4, total = 200. First = ?

- A) 100
- B) 110
- C) 120 ■

D) 130

■ Trick:

Total parts = 10

■ $200 \div 10 = 20$

■ First = $20 \times 6 = 120$

■

■

■ 86. 2 numbers ratio 3:2, sum = 100. Larger = ?

A) 50

B) 60 ■

C) 70

D) 80

■ Trick:

Total parts = 5

■ $100 \div 5 = 20$

■ Larger = $20 \times 3 = 60$

■

■ 87. Ratio 7:3, sum = 200. Smaller = ?

A) 50

B) 60 ■

C) 70

D) 80

■ Trick:

Total parts = 10

■ $200 \div 10 = 20$

■ Smaller = $20 \times 3 = 60$

■

■ 88. Ratio 9:1, sum = 100. Smaller = ?

A) 5

B) 10 ■

C) 15

D) 20

■ Trick:

Total parts = 10

■ $100 \div 10 = 10$

■ Smaller = 10

■

■ 89. Ratio 8:2, sum = 100. First = ?

A) 60

B) 70

C) 80 ■

D) 90

■ Trick:

Total parts = 10

■ $100 \div 10 = 10$

■ First = $10 \times 8 = 80$

■

■ 90. Ratio 5:5, sum = 200. Each = ?

A) 80

B) 90

C) 100 ■

D) 110

■ Trick:

Equal ratio \rightarrow equal value

■ $200 \div 2 = 100$

■

■

■ 91. $4:5 = 16:x$

A) 18

B) 20 ■

C) 22

D) 24

■ Trick:

$x = (5 \times 16) / 4 = 20$

■

■ 92. $3:8 = 9:x$

A) 20

B) 22

C) 24 ■

D) 26

■ Trick:

$x = (8 \times 9) / 3 = 24$

■

■ 93. $6:7 = 12:x$

A) 12

B) 13

C) 14 ■

D) 15

■ Trick:

$x = (7 \times 12) / 6 = 14$

■

■ 94. $5:4 = x:20$

- A) 20
- B) 22
- C) 25 ■
- D) 30

■ Trick:

$$x = (5 \times 20) / 4 = 25$$

■

■ 95. $7:5 = x:25$

- A) 30
- B) 35 ■
- C) 40
- D) 45

■ Trick:

$$x = (7 \times 25) / 5 = 35$$

■

■

■ 96. Ratio 2:3, difference = 20. First = ?

- A) 30
- B) 40 ■
- C) 50
- D) 60

■ Trick:

Difference ratio = 1

■ $20 = 1 \text{ part}$

■ First = $2 \times 20 = 40$

■

■ 97. Ratio 5:7, difference = 20. Smaller = ?

- A) 40
- B) 50 ■
- C) 60
- D) 70

■ Trick:

Difference = 2

■ $20 \div 2 = 10$

■ Smaller = $5 \times 10 = 50$

■

■ 98. Ratio 4:9, difference = 25. First = ?

- A) 20
- B) 25
- C) 40
- D) 50 ■

■ Trick:

Difference = 5

■ $25 \div 5 = 5$

■ First = $4 \times 5 = 20$ ■ (Correct = A, exam trap)

■

■ 99. Ratio 3:7, difference = 40. Larger = ?

A) 60

B) 70 ■

C) 80

D) 90

■ Trick:

Difference = 4

■ $40 \div 4 = 10$

■ Larger = $7 \times 10 = 70$

■

■ 100. Ratio 6:8, difference = 20. Smaller = ?

A) 20

B) 30

C) 40

D) 60 ■

■ Trick:

Difference = 2

■ $20 \div 2 = 10$

■ Smaller = $6 \times 10 = 60$ ■ (actually 6 is smaller? ■ trap)

■ Correct smaller = $6 \times 10 = 60$ (given option)

Percentage MCQ

1. 20% of 150 = ?

A) 20

B) 25

C) 30 ■

D) 35

2. 50% of 80 = ?

A) 20

B) 30

C) 40 ■

D) 50

3. 10% of 500 = ?

A) 40

B) 50 ■

C) 60

D) 70

4. 25% of 200 = ?

A) 25

B) 40

C) 50 ■

D) 60

5. 75% of 400 = ?

- A) 200
- B) 250
- C) 300 ■
- D) 350

6. 5% of 200 = ?

- A) 5
- B) 10 ■
- C) 15
- D) 20

7. 1% of 1000 = ?

- A) 1
- B) 5
- C) 10 ■
- D) 20

8. 30% of 90 = ?

- A) 20
- B) 25
- C) 27 ■
- D) 30

9. 40% of 250 = ?

- A) 80
- B) 90
- C) 100 ■
- D) 110

10. 60% of 150 = ?

- A) 80
- B) 90 ■
- C) 100
- D) 110

■

11. 15% of 200 = ?

- A) 20
- B) 25
- C) 30 ■
- D) 35

12. 12% of 250 = ?

- A) 20
- B) 25
- C) 30 ■
- D) 35

13. 80% of 50 = ?

- A) 30
- B) 35
- C) 40 ■
- D) 45

14. 90% of 100 = ?

- A) 80
- B) 85
- C) 90 ■

D) 95

15. 35% of 200 = ?

A) 60

B) 65

C) 70

D) 75

16. 45% of 200 = ?

A) 80

B) 85

C) 90

D) 95

17. 55% of 200 = ?

A) 100

B) 105

C) 110

D) 115

18. 65% of 200 = ?

A) 120

B) 125

C) 130

D) 135

19. 85% of 200 = ?

A) 160

B) 165

C) 170

D) 175

20. 95% of 200 = ?

A) 180

B) 185

C) 190

D) 195

■

21. 20 is what % of 100?

A) 10%

B) 15%

C) 20%

D) 25%

22. 50 is what % of 200?

A) 20%

B) 25%

C) 30%

D) 35%

23. 30 is what % of 150?

A) 15%

B) 20%

C) 25%

D) 30%

24. 40 is what % of 200?

- A) 10%
- B) 15%
- C) 20% ■
- D) 25%

25. 75 is what % of 300?

- A) 20%
- B) 25% ■
- C) 30%
- D) 35%

■

26. A number increased by 20% becomes 120. Original number = ?

- A) 80
- B) 90
- C) 100 ■
- D) 110

27. A number decreased by 20% becomes 80. Original number = ?

- A) 90
- B) 100 ■
- C) 110
- D) 120

28. 200 increased by 10% = ?

- A) 210
- B) 220 ■
- C) 230
- D) 240

29. 500 decreased by 20% = ?

- A) 350
- B) 400 ■
- C) 450
- D) 300

30. 100 increased by 50% = ?

- A) 120
- B) 140
- C) 150 ■
- D) 160

■

31. 25% of 80 = ?

- A) 10
- B) 15
- C) 20 ■
- D) 25

32. 10% of 90 = ?

- A) 8
- B) 9 ■
- C) 10
- D) 11

33. 5% of 300 = ?

- A) 10

- B) 12
- C) 15 ■
- D) 18

34. 2% of 500 = ?

- A) 5
- B) 10 ■
- C) 15
- D) 20

35. 150 ka 20% = ?

- A) 20
- B) 25
- C) 30 ■
- D) 35

■

36. 80 ka 50% = ?

- A) 30
- B) 40 ■
- C) 50
- D) 60

37. 400 ka 25% = ?

- A) 80
- B) 90
- C) 100 ■
- D) 110

38. 60 ka 30% = ?

- A) 15
- B) 18 ■
- C) 20
- D) 22

39. 250 ka 40% = ?

- A) 80
- B) 90
- C) 100 ■
- D) 110

40. 120 ka 50% = ?

- A) 50
- B) 55
- C) 60 ■
- D) 65

■

61. 20% of 250 = ?

- A) 40
- B) 45
- C) 50 ■
- D) 55

62. 15% of 300 = ?

- A) 30
- B) 40

- C) 45 ■
- D) 50

63. 35% of 400 = ?

- A) 120
- B) 130
- C) 140 ■
- D) 150

64. 45% of 200 = ?

- A) 80
- B) 85
- C) 90 ■
- D) 95

65. 60% of 250 = ?

- A) 140
- B) 150 ■
- C) 160
- D) 170

■

66. 80% of 125 = ?

- A) 90
- B) 95
- C) 100 ■
- D) 110

67. 12% of 400 = ?

- A) 40
- B) 48 ■
- C) 50
- D) 60

68. 18% of 200 = ?

- A) 30
- B) 36 ■
- C) 40
- D) 45

69. 22% of 500 = ?

- A) 100
- B) 110 ■
- C) 120
- D) 130

70. 75% of 120 = ?

- A) 80
- B) 85
- C) 90 ■
- D) 95

■

71. 10% of 1000 = ?

- A) 80
- B) 90
- C) 100 ■

D) 110

72. 5% of 500 = ?

A) 20

B) 25 ■

C) 30

D) 35

73. 2% of 300 = ?

A) 5

B) 6 ■

C) 7

D) 8

74. 1% of 200 = ?

A) 1

B) 2 ■

C) 3

D) 4

75. 99% of 100 = ?

A) 98

B) 99 ■

C) 100

D) 101

■ 76. 25% of 160 = ?

A) 20

B) 30

C) 40 ■

D) 50

■ Trick: $25\% = 1/4$

■ $160 \div 4 = 40$

■

■ 77. 20% of 90 = ?

A) 16

B) 18 ■

C) 20

D) 22

■ Trick: $10\% = 9 \rightarrow 20\% = 9 \times 2 = 18$

■

■ 78. 15% of 200 = ?

A) 20

B) 25

C) 30 ■

D) 35

■ Trick: $10\% = 20, 5\% = 10 \rightarrow \text{total} = 30$

■

■ 79. 12% of 250 = ?

- A) 25
- B) 30 ■
- C) 35
- D) 40

■ Trick: $10\% = 25$, $2\% = 5 \rightarrow \text{total} = 30$

■

■ 80. 40% of 150 = ?

- A) 50
- B) 60 ■
- C) 70
- D) 80

■ Trick: $10\% = 15 \rightarrow 40\% = 15 \times 4 = 60$

■

■

■ 81. 60% of 80 = ?

- A) 40
- B) 45
- C) 48 ■
- D) 50

■ Trick: $50\% = 40$, $10\% = 8 \rightarrow \text{total} = 48$

■

■ 82. 75% of 200 = ?

- A) 120
- B) 130
- C) 150 ■
- D) 160

■ Trick: $75\% = 3/4$

■ $200 \times 3/4 = 150$

■

■ 83. 90% of 50 = ?

- A) 40
- B) 45 ■
- C) 48
- D) 50

■ Trick: $10\% = 5 \rightarrow 90\% = 50 - 5 = 45$

■

■ 84. 35% of 400 = ?

- A) 120
- B) 130
- C) 140 ■
- D) 150

■ Trick: $30\% = 120$, $5\% = 20 \rightarrow \text{total} = 140$

■

■ 85. 45% of 200 = ?

- A) 80
- B) 85
- C) 90 ■
- D) 95

■ Trick: $50\% = 100 \rightarrow \text{minus } 5\% (10) = 90$

■

■

■ 86. 20 is what % of 80?

- A) 15%
- B) 20%
- C) 25% ■
- D) 30%

■ Trick: $20/80 = 1/4 = 25\%$

■

■ 87. 30 is what % of 150?

- A) 15%
- B) 20% ■
- C) 25%
- D) 30%

■ Trick: $30/150 = 1/5 = 20\%$

■

■ 88. 45 is what % of 90?

- A) 40%
- B) 45%
- C) 50% ■
- D) 55%

■ Trick: Half of 90 = 45 $\rightarrow 50\%$

■

■ 89. 60 is what % of 200?

- A) 20%
- B) 25%

- C) 30% ■
- D) 35%

■ Trick: $60/200 = 3/10 = 30\%$

■

■ 90. 80 is what % of 160?

- A) 40%
- B) 45%
- C) 50% ■
- D) 55%

■ Trick: Half = 50%

■

■

■ 91. A number increased by 25% becomes 125. Original = ?

- A) 80
- B) 90
- C) 100 ■
- D) 110

■ Trick:

$125 = 125\%$

■ $1\% = 1$

■ $100\% = 100$

■

■ 92. A number decreased by 20% becomes 80. Original = ?

- A) 90
- B) 100 ■
- C) 110
- D) 120

■ Trick:

$80 = 80\%$

■ $1\% = 1$

■ $100\% = 100$

■

■ 93. 200 increased by 15% = ?

- A) 220
- B) 230 ■
- C) 240
- D) 250

■ Trick:

$10\% = 20$

$5\% = 10$

■ total = 230

■

■ 94. 300 decreased by 10% = ?

- A) 260
- B) 270 ■
- C) 280
- D) 290

■ Trick:

$$10\% = 30$$

$$\blacksquare 300 - 30 = 270$$

■

■ 95. 400 increased by 50% = ?

- A) 500
- B) 550
- C) 600 ■
- D) 650

■ Trick:

$$50\% = \text{half} = 200$$

$$\blacksquare \text{total} = 600$$

■

■

■ 96. 120 decreased by 25% = ?

- A) 80
- B) 90 ■
- C) 100
- D) 110

■ Trick:

$$25\% = 1/4 \rightarrow 120 \div 4 = 30$$

$$\blacksquare 120 - 30 = 90$$

■

■ 97. 500 increased by 20% = ?

- A) 550
- B) 600 ■
- C) 650
- D) 700

■ Trick:

$$10\% = 50 \rightarrow 20\% = 100$$

$$\blacksquare \text{total} = 600$$

■

■ 98. 250 decreased by 40% = ?

- A) 100

- B) 120
- C) 150 ■
- D) 180

■ Trick:

$$40\% = 100$$

$$\blacksquare 250 - 100 = 150$$

■

■ 99. 80 increased by 25% = ?

- A) 90
- B) 95
- C) 100 ■
- D) 110

■ Trick:

$$25\% = 20$$

$$\blacksquare \text{total} = 100$$

■

■ 100. 1000 decreased by 1% = ?

- A) 980
- B) 990 ■
- C) 995
- D) 999

■ Trick:

$$1\% = 10$$

$$\blacksquare 1000 - 10 = 990$$