



THE MATH HUB

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BASIC STATISTICS & DATA INTERPRETATION MCQs

100 FULLY SOLVED MCQs

PPSC, FPSC & ONE PAPER EXAMS

NTS • CSS MPT • PMS • Government Job Tests

Mean extbullet Median extbullet Mode extbullet Range extbullet Tables extbullet Sampling

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BASIC STATISTICS & DATA INTERPRETATION MCQs | 100 FULLY SOLVED MCQs**Fast Foundation for One-Paper Exams****Mean**

$$\bar{x} = \frac{\sum x}{n}$$

Frequency mean

$$\bar{x} = \frac{\sum fx}{\sum f}$$

Median Arrange the data first; use the middle observation.

Mode The value with the highest frequency.

Range

$$\text{Range} = \text{max} - \text{min}$$

Systematic sampling

$$k = \frac{N}{n}$$

Arithmetic Mean**MCQ 1**

Find the arithmetic mean of 4, 6, 8.

A. 6 **B.** 7**C.** 5 **D.** 8**Solution**

$$\bar{x} = \frac{4 + 6 + 8}{3} = \frac{18}{3} = 6$$

Final Answer

6

MCQ 2

Find the arithmetic mean of 5, 7, 9, 11.

A. 9 **B.** 7**C.** 10 **D.** 8**Solution**

$$\bar{x} = \frac{5 + 7 + 9 + 11}{4} = \frac{32}{4} = 8$$

Final Answer

8

MCQ 3

Find the arithmetic mean of 12, 15, 18.

A. 14 **B.** 17**C.** 15 **D.** 16**Solution**

$$\bar{x} = \frac{12 + 15 + 18}{3} = \frac{45}{3} = 15$$

Final Answer

15

MCQ 4

Find the arithmetic mean of 20, 25, 30, 35.

A. 29.5 **B.** 27.5**C.** 28.5 **D.** 26.5**Solution**

$$\bar{x} = \frac{20 + 25 + 30 + 35}{4} = \frac{110}{4} = 27.5$$

Final Answer

27.5

MCQ 5

Find the arithmetic mean of 3, 5, 7, 9, 11.

A. 7 **B.** 8**C.** 6 **D.** 9**Solution**

$$\bar{x} = \frac{3 + 5 + 7 + 9 + 11}{5} = \frac{35}{5} = 7$$

Final Answer

7

MCQ 6

Find the arithmetic mean of 14, 16, 18, 20.

A. 18 **B.** 16**C.** 19 **D.** 17**Solution**

$$\bar{x} = \frac{14 + 16 + 18 + 20}{4} = \frac{68}{4} = 17$$

Final Answer

17

MCQ 7

Find the arithmetic mean of 6, 8, 10, 12, 14.

A. 9 **B.** 12**C.** 10 **D.** 11**Solution**

$$\bar{x} = \frac{6 + 8 + 10 + 12 + 14}{5} = \frac{50}{5} = 10$$

Final Answer

10

MCQ 8

Find the arithmetic mean of 21, 24, 27.

A. 26 **B.** 24**C.** 25 **D.** 23**Solution**

$$\bar{x} = \frac{21 + 24 + 27}{3} = \frac{72}{3} = 24$$

Final Answer

24

MCQ 9

Find the arithmetic mean of 2, 4, 6, 8.

A. 5 **B.** 6**C.** 4 **D.** 7**Solution**

$$\bar{x} = \frac{2 + 4 + 6 + 8}{4} = \frac{20}{4} = 5$$

Final Answer

5

MCQ 10

Find the arithmetic mean of 11, 13, 15, 17, 19.

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

Solution

$$\bar{x} = \frac{11 + 13 + 15 + 17 + 19}{5} = \frac{75}{5} = 15$$

Final Answer

15

MCQ 11

Find the arithmetic mean of 30, 40, 50.

- A. 39 B. 42
C. 40 D. 41

Solution

$$\bar{x} = \frac{30 + 40 + 50}{3} = \frac{120}{3} = 40$$

Final Answer

40

MCQ 12

Find the arithmetic mean of 7, 9, 10, 14.

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

Solution

$$\bar{x} = \frac{7 + 9 + 10 + 14}{4} = \frac{40}{4} = 10$$

Final Answer

10

MCQ 13

Find the arithmetic mean of 18, 22, 26, 30.

- A. 24 B. 25
C. 23 D. 26

Solution

$$\bar{x} = \frac{18 + 22 + 26 + 30}{4} = \frac{96}{4} = 24$$

Final Answer

24

MCQ 14

Find the arithmetic mean of 5, 10, 15, 20, 25.

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

Solution

$$\bar{x} = \frac{5 + 10 + 15 + 20 + 25}{5} = \frac{75}{5} = 15$$

Final Answer

15

MCQ 15

Find the arithmetic mean of 16, 18, 22, 24.

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

Solution

$$\bar{x} = \frac{16 + 18 + 22 + 24}{4} = \frac{80}{4} = 20$$

Final Answer

20

Median**MCQ 16**

Find the median of 2, 4, 6.

- A. 6 B. 4
C. 5 D. 3

Solution

Middle value = 4

Final Answer

4

MCQ 17

Find the median of 1, 3, 5, 7.

- A. 4 B. 5
C. 3 D. 6

Solution

$$\text{Median} = \frac{3 + 5}{2} = 4$$

Final Answer

4

MCQ 18

Find the median of 4, 7, 9, 12, 15.

- A. 10 B. 8
C. 11 D. 9

Solution

Middle value = 9

Final Answer

9

MCQ 19

Find the median of 2, 5, 8, 11.

- A. 5.5 B. 8.5
C. 6.5 D. 7.5

Solution

$$\text{Median} = \frac{5 + 8}{2} = 6.5$$

Final Answer

6.5

MCQ 20

Find the median of 10, 12, 14, 16, 18.

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

Solution

Middle value = 14

Final Answer

14

MCQ 21

Find the median of 3, 6, 9, 12, 15, 18.

- A. 10.5 B. 11.5
C. 9.5 D. 12.5

Solution

$$\text{Median} = \frac{9 + 12}{2} = 10.5$$

Final Answer

10.5

MCQ 22

Find the median of 5, 5, 7, 9, 11.

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

Solution

Middle value = 7

Final Answer

7

MCQ 23

Find the median of 20, 25, 30, 35.

- A. 26.5 B. 29.5
C. 27.5 D. 28.5

Solution

$$\text{Median} = \frac{25 + 30}{2} = 27.5$$

Final Answer

27.5

MCQ 24

Find the median of 1, 2, 8, 9, 10.

- A. 10 B. 8
C. 9 D. 7

Solution

Middle value = 8

Final Answer

8

MCQ 25

Find the median of 6, 8, 10, 12, 14, 16, 18.

- A. 12 B. 13
C. 11 D. 14

Solution

Middle value = 12

Final Answer

12

MCQ 26

Find the median of 13, 17, 21.

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

Solution

Middle value = 17

Final Answer

17

MCQ 27

Find the median of 4, 6, 8, 10.

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

Solution

$$\text{Median} = \frac{6 + 8}{2} = 7$$

Final Answer

7

MCQ 28

Find the median of 7, 11, 13, 15, 19.

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

Solution

Middle value = 13

Final Answer

13

MCQ 29

Find the median of 2, 3, 5, 8, 13, 21.

- A. 6.5 B. 7.5
C. 5.5 D. 8.5

Solution

$$\text{Median} = \frac{5 + 8}{2} = 6.5$$

Final Answer

6.5

MCQ 30

Find the median of 9, 12, 15, 18, 21.

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

Solution

Middle value = 15

Final Answer

15

Mode and Range**MCQ 31**

Find the mode of 2, 2, 3, 4.

- A. 1 B. 4
C. 2 D. 3

Solution

2 occurs 2 times

Final Answer

2

MCQ 32

Find the mode of 5, 6, 6, 6, 8.

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

Solution

6 occurs 3 times

Final Answer

6

MCQ 33

Find the mode of 1, 3, 3, 5, 7.

- A. 3 B. 4
C. 2 D. 7

Solution

3 occurs 2 times

Final Answer

3

MCQ 34

Find the mode of 9, 9, 10, 11, 12.

- A. 10 B. 8
C. 12 D. 9

Solution

9 occurs 2 times

Final Answer

9

MCQ 35

Find the mode of 4, 5, 5, 6, 7.

- A. 4 B. 7
C. 5 D. 6

Solution

5 occurs 2 times

Final Answer

5

MCQ 36

Find the mode of 2, 4, 4, 4, 5, 6.

- A. 6 B. 4
C. 5 D. 3

Solution

4 occurs 3 times

Final Answer

4

MCQ 37

Find the mode of 8, 9, 10, 10, 10, 11.

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

Solution

10 occurs 3 times

Final Answer

10

MCQ 38

Find the mode of 3, 3, 3, 4, 5.

- A. 4 B. 2
C. 5 D. 3

Solution

3 occurs 3 times

Final Answer

3

MCQ 39

Find the mode of 12, 13, 13, 14.

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

Solution

13 occurs 2 times

Final Answer

13

MCQ 40

Find the mode of 20, 21, 21, 21, 22.

A. 23 **B.** 21**C.** 22 **D.** 20**Solution**

21 occurs 3 times

Final Answer

21

MCQ 41

Find the range of 4, 9, 15, 20.

A. 16 **B.** 18**C.** 14 **D.** 20**Solution**Range = $20 - 4 = 16$ **Final Answer**

16

MCQ 42

Find the range of 3, 7, 12, 18, 22.

A. 21 **B.** 17**C.** 22 **D.** 19**Solution**Range = $22 - 3 = 19$ **Final Answer**

19

MCQ 43

Find the range of 10, 25, 30, 45.

A. 33 **B.** 45**C.** 35 **D.** 37**Solution**Range = $45 - 10 = 35$ **Final Answer**

35

MCQ 44

Find the range of 2, 6, 11, 14, 19.

A. 21 **B.** 17**C.** 19 **D.** 15**Solution**Range = $19 - 2 = 17$ **Final Answer**

17

MCQ 45

Which formula gives the range of a data set?

A. Maximum - Minimum **B.** Maximum + Minimum**C.** Mean - Median **D.** Mode - Mean**Solution**

Range = Maximum - Minimum

Final Answer

Maximum - Minimum

Frequency and Weighted Data**MCQ 46**

Find the mean from the frequency table.

Value	1	2	3
Freq.	2	3	1

A. 2.833333333**B.** 0.833333333**C.** 3.833333333**D.** 1.833333333**Solution**

$$\bar{x} = \frac{\sum fx}{\sum f} = \frac{11}{6} = 1.833333333$$

Final Answer

1.833333333

MCQ 47

Find the mean from the frequency table.

Value	2	4	6
Freq.	1	2	1

A. 3**B.** 6**C.** 4**D.** 5**Solution**

$$\bar{x} = \frac{\sum fx}{\sum f} = \frac{16}{4} = 4$$

Final Answer

4

MCQ 48

Find the mean from the frequency table.

Value	5	10	15
Freq.	2	1	1

A. 10.75**B.** 8.75**C.** 9.75**D.** 7.75**Solution**

$$\bar{x} = \frac{\sum fx}{\sum f} = \frac{35}{4} = 8.75$$

Final Answer

8.75

MCQ 49

Find the mean from the frequency table.

Value	10	20	30
Freq.	1	2	2

A. 22**B.** 23**C.** 21**D.** 24**Solution**

$$\bar{x} = \frac{\sum fx}{\sum f} = \frac{110}{5} = 22$$

Final Answer

22

MCQ 50

Find the mean from the frequency table.

Value	3	6	9
Freq.	3	2	1

A. 6**B.** 4**C.** 7**D.** 5**Solution**

$$\bar{x} = \frac{\sum fx}{\sum f} = \frac{30}{6} = 5$$

Final Answer

5

MCQ 51

Find the mean from the frequency table.

Value	4	8	12
Freq.	1	3	2

A. 7.666666667**B.** 10.666666667**C.** 8.666666667**D.** 9.666666667**Solution**

$$\bar{x} = \frac{\sum fx}{\sum f} = \frac{52}{6} = 8.666666667$$

Final Answer

8.666666667

MCQ 52

Find the mean from the frequency table.

Value	2	5	8
Freq.	2	2	2

A. 7**B.** 5**C.** 6**D.** 4**Solution**

$$\bar{x} = \frac{\sum fx}{\sum f} = \frac{30}{6} = 5$$

Final Answer

5

MCQ 53

Find the mean from the frequency table.

Value	1	5	9
Freq.	4	1	1

A. 3**B.** 4**C.** 2**D.** 5**Solution**

$$\bar{x} = \frac{\sum fx}{\sum f} = \frac{18}{6} = 3$$

Final Answer

3

MCQ 54

Find the mean from the frequency table.

Value	6	7	8
Freq.	1	4	1

A. 8**B.** 6**C.** 9**D.** 7**Solution**

$$\bar{x} = \frac{\sum fx}{\sum f} = \frac{42}{6} = 7$$

Final Answer

7

MCQ 55

Find the mean from the frequency table.

Value	10	15	20
Freq.	2	2	1

A. 13**B.** 16**C.** 14**D.** 15**Solution**

$$\bar{x} = \frac{\sum fx}{\sum f} = \frac{70}{5} = 14$$

Final Answer

14

MCQ 56

A score 70 has weight 2 and score 80 has weight 3. Find the weighted mean.

A. 75**B.** 76**C.** 78**D.** 74**Solution**

$$\bar{x}_w = \frac{70(2) + 80(3)}{5} = \frac{380}{5} = 76$$

Final Answer

76

MCQ 57

A score 60 has weight 1 and score 90 has weight 2. Find the weighted mean.

A. 80**B.** 82**C.** 78**D.** 75**Solution**

$$\bar{x}_w = \frac{60(1) + 90(2)}{3} = \frac{240}{3} = 80$$

Final Answer

80

MCQ 58

A score 75 has weight 4 and score 85 has weight 1. Find the weighted mean.

A. 79**B.** 75**C.** 80**D.** 77**Solution**

$$\bar{x}_w = \frac{75(4) + 85(1)}{5} = \frac{385}{5} = 77$$

Final Answer

77

MCQ 59

A score 50 has weight 3 and score 70 has weight 2. Find the weighted mean.

A. 56**B.** 64**C.** 58**D.** 60**Solution**

$$\bar{x}_w = \frac{50(3) + 70(2)}{5} = \frac{290}{5} = 58$$

Final Answer

58

MCQ 60

A score 80 has weight 2 and score 95 has weight 2. Find the weighted mean.

A. 87.6**B.** 87.5**C.** 89.5**D.** 85.5**Solution**

$$\bar{x}_w = \frac{80(2) + 95(2)}{4} = \frac{350}{4} = 87.5$$

Final Answer

87.5

Combined Statistics**MCQ 61**

Group A has 20 observations with mean 60; Group B has 30 observations with mean 70. Find the combined mean.

A. 66**B.** 67**C.** 65**D.** 73**Solution**

$$\bar{x} = \frac{20(60) + 30(70)}{50} = \frac{3300}{50} = 66$$

Final Answer

66

MCQ 62

Group A has 25 observations with mean 72; Group B has 15 observations with mean 68. Find the combined mean.

- A. 71.5 B. 69.5
C. 70 D. 70.5

Solution

$$\bar{x} = \frac{25(72) + 15(68)}{40} = \frac{2820}{40} = 70.5$$

Final Answer

70.5

MCQ 63

Group A has 40 observations with mean 55; Group B has 20 observations with mean 65. Find the combined mean.

- A. 57.33333333 B. 60
C. 58.33333333 D. 59.33333333

Solution

$$\bar{x} = \frac{40(55) + 20(65)}{60} = \frac{3500}{60} = 58.33333333$$

Final Answer

58.33333333

MCQ 64

Group A has 12 observations with mean 80; Group B has 18 observations with mean 75. Find the combined mean.

- A. 77.5 B. 77
C. 78 D. 76

Solution

$$\bar{x} = \frac{12(80) + 18(75)}{30} = \frac{2310}{30} = 77$$

Final Answer

77

MCQ 65

Group A has 30 observations with mean 50; Group B has 30 observations with mean 70. Find the combined mean.

- A. 60 B. 61
C. 59 D. 66

Solution

$$\bar{x} = \frac{30(50) + 30(70)}{60} = \frac{3600}{60} = 60$$

Final Answer

60

MCQ 66

Group A has 10 observations with mean 90; Group B has 20 observations with mean 75. Find the combined mean.

- A. 81 B. 79
C. 82.5 D. 80

Solution

$$\bar{x} = \frac{10(90) + 20(75)}{30} = \frac{2400}{30} = 80$$

Final Answer

80

MCQ 67

Group A has 35 observations with mean 64; Group B has 15 observations with mean 76. Find the combined mean.

- A. 66.6 B. 70
C. 67.6 D. 68.6

Solution

$$\bar{x} = \frac{35(64) + 15(76)}{50} = \frac{3380}{50} = 67.6$$

Final Answer

67.6

MCQ 68

Group A has 24 observations with mean 58; Group B has 16 observations with mean 67. Find the combined mean.

- A. 62.5 B. 61.6
C. 62.6 D. 60.6

Solution

$$\bar{x} = \frac{24(58) + 16(67)}{40} = \frac{2464}{40} = 61.6$$

Final Answer

61.6

MCQ 69

Group A has 18 observations with mean 82; Group B has 22 observations with mean 78. Find the combined mean.

- A. 79.8 B. 80.8
C. 78.8 D. 80

Solution

$$\bar{x} = \frac{18(82) + 22(78)}{40} = \frac{3192}{40} = 79.8$$

Final Answer

79.8

MCQ 70

Group A has 50 observations with mean 45; Group B has 25 observations with mean 60. Find the combined mean.

- A. 51
B. 49
C. 52.5
D. 50

Solution

$$\bar{x} = \frac{50(45) + 25(60)}{75} = \frac{3750}{75} = 50$$

Final Answer

50

MCQ 71

Group A has 15 observations with mean 70; Group B has 25 observations with mean 74. Find the combined mean.

- A. 71.5
B. 72
C. 72.5
D. 73.5

Solution

$$\bar{x} = \frac{15(70) + 25(74)}{40} = \frac{2900}{40} = 72.5$$

Final Answer

72.5

MCQ 72

Group A has 28 observations with mean 66; Group B has 12 observations with mean 72. Find the combined mean.

- A. 69
B. 67.8
C. 68.8
D. 66.8

Solution

$$\bar{x} = \frac{28(66) + 12(72)}{40} = \frac{2712}{40} = 67.8$$

Final Answer

67.8

MCQ 73

Group A has 32 observations with mean 59; Group B has 18 observations with mean 69. Find the combined mean.

- A. 62.6
B. 63.6
C. 61.6
D. 64

Solution

$$\bar{x} = \frac{32(59) + 18(69)}{50} = \frac{3130}{50} = 62.6$$

Final Answer

62.6

MCQ 74

Group A has 14 observations with mean 88; Group B has 21 observations with mean 84. Find the combined mean.

- A. 86.6
B. 84.6
C. 86
D. 85.6

Solution

$$\bar{x} = \frac{14(88) + 21(84)}{35} = \frac{2996}{35} = 85.6$$

Final Answer

85.6

MCQ 75

Group A has 20 observations with mean 62; Group B has 40 observations with mean 68. Find the combined mean.

- A. 65
B. 73
C. 66
D. 67

Solution

$$\bar{x} = \frac{20(62) + 40(68)}{60} = \frac{3960}{60} = 66$$

Final Answer

66

Data Interpretation Tables**MCQ 76**

Use the table.

	Jan	Feb	Mar	Apr	May
Monthly sales	120	150	180	160	190

Find the highest.

- A. 200
B. 190
C. 195
D. 185

Solution

max = 190

Final Answer

190

MCQ 77

Use the table.

	Jan	Feb	Mar	Apr	May
Monthly sales	120	150	180	160	190

Find the lowest.

A. 120**B.** 125**C.** 115**D.** 130**Solution**

$$\min = 120$$

Final Answer

120

MCQ 78

Use the table.

	Jan	Feb	Mar	Apr	May
Monthly sales	120	150	180	160	190

Find the range.

A. 75**B.** 65**C.** 80**D.** 70**Solution**

$$190 - 120 = 70$$

Final Answer

70

MCQ 79

Use the table.

	Jan	Feb	Mar	Apr	May
Monthly sales	120	150	180	160	190

Find the total.

A. 795**B.** 810**C.** 800**D.** 805**Solution**

$$120 + 150 + 180 + 160 + 190 = 800$$

Final Answer

800

MCQ 80

Use the table.

	Jan	Feb	Mar	Apr	May
Monthly sales	120	150	180	160	190

Find the mean.

A. 170**B.** 160**C.** 165**D.** 155**Solution**

$$\frac{800}{5} = 160$$

Final Answer

160

MCQ 81

Use the table.

	A	B	C	D	E
Marks	65	72	80	68	85

Find the highest.

A. 85**B.** 90**C.** 80**D.** 95**Solution**

$$\max = 85$$

Final Answer

85

MCQ 82

Use the table.

	A	B	C	D	E
Marks	65	72	80	68	85

Find the lowest.

A. 70**B.** 60**C.** 75**D.** 65**Solution**

$$\min = 65$$

Final Answer

65

MCQ 83

Use the table.

	A	B	C	D	E
Marks	65	72	80	68	85

Find the range.

A. 15**B.** 30**C.** 20**D.** 25**Solution**

$$85 - 65 = 20$$

Final Answer

20

MCQ 84

Use the table.

	A	B	C	D	E
Marks	65	72	80	68	85

Find the total.

A. 380**B.** 370**C.** 375**D.** 365**Solution**

$$65 + 72 + 80 + 68 + 85 = 370$$

Final Answer

370

MCQ 85

Use the table.

	A	B	C	D	E
Marks	65	72	80	68	85

Find the mean.

A. 74**B.** 79**C.** 69**D.** 84**Solution**

$$\frac{370}{5} = 74$$

Final Answer

74

MCQ 86

Use the table.

	Mon	Tue	Wed	Thu	Fri
Production	40	55	60	50	70

Find the highest.

A. 75**B.** 65**C.** 80**D.** 70**Solution**

$$\max = 70$$

Final Answer

70

MCQ 87

Use the table.

	Mon	Tue	Wed	Thu	Fri
Production	40	55	60	50	70

Find the lowest.

A. 35**B.** 50**C.** 40**D.** 45**Solution**

$$\min = 40$$

Final Answer

40

MCQ 88

Use the table.

	Mon	Tue	Wed	Thu	Fri
Production	40	55	60	50	70

Find the range.

A. 40**B.** 30**C.** 35**D.** 25**Solution**

$$70 - 40 = 30$$

Final Answer

30

MCQ 89

Use the table.

	Mon	Tue	Wed	Thu	Fri
Production	40	55	60	50	70

Find the total.

A. 275**B.** 280**C.** 270**D.** 285**Solution**

$$40 + 55 + 60 + 50 + 70 = 275$$

Final Answer

275

MCQ 90

Use the table.

	Mon	Tue	Wed	Thu	Fri
Production	40	55	60	50	70

Find the mean.

A. 60**B.** 50**C.** 65**D.** 55**Solution**

$$\frac{275}{5} = 55$$

Final Answer

55

Random Sampling Basics**MCQ 91**

A subset selected from a population for study is called a?

A. Census**B.** Variable**C.** Sample**D.** Parameter**Solution**

Sample

Final Answer

Sample

MCQ 92

A numerical characteristic of a population is called a?

A. Class interval**B.** Parameter**C.** Statistic**D.** Sample**Solution**

Parameter

Final Answer

Parameter

MCQ 93Selecting every k th item after a random start is?**A.** Systematic sampling**B.**

Convenience sampling

C. Cluster only**D.** Judgment sampling**Solution**

Systematic sampling

Final Answer

Systematic sampling

MCQ 94

In simple random sampling, each member should have?

A. Zero chance**B.**

Different fixed chance

C. No defined chance**D.**

Equal selection chance

Solution

Equal selection chance

Final Answer

Equal selection chance

MCQ 95

Studying every member of a population is called a?

A. Mode**B.** Range**C.** Census**D.** Sample**Solution**

Census

Final Answer

Census

MCQ 96For systematic sampling from a population of 500, a sample of 50 is required. Find the sampling interval k .**A.** 50**B.** 10**C.** 12**D.** 8**Solution**

$$k = \frac{N}{n} = \frac{500}{50} = 10$$

Final Answer

10

MCQ 97

For systematic sampling from a population of 800, a sample of 80 is required. Find the sampling interval k .

- A. 10 B. 12
C. 8 D. 80

Solution

$$k = \frac{N}{n} = \frac{800}{80} = 10$$

Final Answer

10

MCQ 98

For systematic sampling from a population of 1000, a sample of 100 is required. Find the sampling interval k .

- A. 12 B. 8
C. 100 D. 10

Solution

$$k = \frac{N}{n} = \frac{1000}{100} = 10$$

Final Answer

10

MCQ 99

For systematic sampling from a population of 600, a sample of 75 is required. Find the sampling interval k .

- A. 6 B. 75
C. 8 D. 10

Solution

$$k = \frac{N}{n} = \frac{600}{75} = 8$$

Final Answer

8

MCQ 100

For systematic sampling from a population of 400, a sample of 40 is required. Find the sampling interval k .

- A. 40 B. 10
C. 12 D. 8

Solution

$$k = \frac{N}{n} = \frac{400}{40} = 10$$

Final Answer

10

RAPID REVISION GRID | STATISTICS / DATA**Combined mean**

$$\bar{x} = \frac{n_1\bar{x}_1 + n_2\bar{x}_2}{n_1 + n_2}$$

Weighted mean

$$\bar{x}_w = \frac{\sum wx}{\sum w}$$

Median check Sort before locating the middle.**Data tables** Read labels and units before calculating.**Random sample** Every unit should have a defined selection chance.**Fast check** Mean must lie between the minimum and maximum values.**THE MATH HUB**

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