SASKATCHEWAN FOUNDATIONS OF MATHEMATICS 20 · UNIT D

Statistics, Normal Distribution and Data Interpretation — Practice Test

Saskatchewan Foundations of Mathematics 20 • 25 questions

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **The data are 20, 10, 40, 30, 20. The mode is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The data are 24, 49, 51, 75, 90. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **The data are 30, 10, 30, 20. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **For a normal distribution with mean 100 and standard deviation 15, about 68 percent of the data lie between**

A 85 and 115

B 70 and 130

C 100 and 115

D 85 and 100

Understand It with Pulse | Flag a mistake

5 **The data are 10, 20, 30, 40, 20. The mode is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The data are 30, 10, 20, 40. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **The data are 7, 15, 17, 33, 42, 45. The range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **The data are 26, 28, 31, 51, 72. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The data are 6, 14, 17, 20, 27, 47. The range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **The data are 20, 20, 40, 20. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **The data are 20, 10, 20, 40. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **The data are 31, 62, 74, 81, 91. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **For a normal distribution with mean 100 and standard deviation 15, the z-score of a value of 130 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **For a normal distribution with mean 70 and standard deviation 10, about 95 percent of the data lie between**

A 60 and 80

B 50 and 90

C 70 and 90

D 50 and 70

Understand It with Pulse | Flag a mistake

15 **The data are 23, 25, 27, 72, 79. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **The data are 20, 10, 30, 40, 20. The mode is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **The data are 9, 35, 36, 39, 44, 45. The range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **The data are 20, 40, 30, 10, 20. The mode is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **The data are 11, 23, 32, 35, 36, 39. The range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **The data are 20, 30, 40, 20. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **The data are 17, 33, 35, 41, 47, 48. The range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **The data are 22, 44, 48, 93, 94. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **For a normal distribution with mean 80 and standard deviation 8, about 68 percent of the data lie between**

A 64 and 96

B 80 and 88

C 72 and 88

D 72 and 80

Understand It with Pulse | Flag a mistake

24 **The data are 10, 40, 30, 20, 20. The mode is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **For a normal distribution with mean 70 and standard deviation 10, the z-score of a value of 90 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	20	**10.**	25	**19.**	28
2.	51	**11.**	22.5	**20.**	27.5
3.	22.5	**12.**	74	**21.**	31
4.	A	**13.**	2	**22.**	48
5.	20	**14.**	B	**23.**	C
6.	25	**15.**	27	**24.**	20
7.	38	**16.**	20	**25.**	2
8.	31	**17.**	36		
9.	41	**18.**	20		

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