Statistics — Practice Test

Prince Edward Island Apprenticeship and Workplace Mathematics 11 • 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 **A crew records weekly hours of 16, 18, 20, 22, 24. What is the mean weekly hours**

ANSWER _____

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2 **A crew records weekly hours of 16, 18, 20, 22, 24. What is the range of weekly hours**

ANSWER _____

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3 **A toolbox holds 8 tools of equal size, and 3 of them are wrenches. If one tool is chosen at random, what is the probability of choosing a wrench, as a decimal to three decimal places**

ANSWER _____

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4 **Five daily wages in dollars are 16, 18, 20, 22, 24. What is the median daily wage in dollars**

ANSWER _____

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5 **A bar chart is suitable for showing**

A counts in categories

B continuous trends only

C probabilities only

D correlations

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6

A biased sample is likely to give

A misleading results

B accurate results

C complete results

D no results

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7

A data set of 5 values has a median that is the

A second value

B fourth value

C first value

D third value when ordered

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8 **A frequency table groups data by**

A mean only

B range only

C median only

D how often each value occurs

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9 **A line graph is suitable for showing change over**

A categories

B time

C proportions

D distributions only

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10 **A pie chart shows parts of a**

A mean

B range

C whole

D median

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11 **A sample should be chosen so that it**

A includes only volunteers

B includes only extremes

C is as small as possible

D represents the population fairly

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12 **A trend in a time series graph shows the general**

A mean

B mode

C direction of change over time

D range

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13 **A wage distribution with a few very high wages will have a mean that is**

A lower than the median

B equal to the mode

C higher than the median

D zero

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14 **An experiment differs from a survey because the researcher**

- A only observes
- B changes a variable deliberately
- C only counts
- D only graphs

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15 **Collecting data from every worker in a shop is called a**

- A census
- B sample
- C survey only
- D experiment

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16 **If all values in a data set are equal, the mean, median, and mode are**

A all different

B zero

C undefined

D all equal

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17 **Seasonal variation in data repeats on a**

A random basis

B one time basis

C never

D regular cycle

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18 **A crew records weekly hours of 35, 38, 40, 42, 45. What is the mean weekly hours**

ANSWER _____

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19 **A crew records weekly hours of 35, 38, 40, 42, 45. What is the range of weekly hours**

ANSWER _____

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20 **A toolbox holds 8 tools of equal size, and 5 of them are wrenches. If one tool is chosen at random, what is the probability of choosing a wrench, as a decimal to three decimal places**

ANSWER _____

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21 **Five daily wages in dollars are 35, 38, 40, 42, 45. What is the median daily wage in dollars**

ANSWER _____

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22 **A crew records weekly hours of 12, 15, 18, 21, 24. What is the mean weekly hours**

ANSWER _____

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23 **A crew records weekly hours of 12, 15, 18, 21, 24. What is the range of weekly hours**

ANSWER _____

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24 **A toolbox holds 8 tools of equal size, and 1 of them are wrenches. If one tool is chosen at random, what is the probability of choosing a wrench, as a decimal to three decimal places**

ANSWER _____

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25 **Five daily wages in dollars are 12, 15, 18, 21, 24. What is the median daily wage in dollars**

ANSWER _____

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ANSWER KEY

1.	20.00	**10.**	C	**19.**	10
2.	8	**11.**	D	**20.**	0.625
3.	0.375	**12.**	C	**21.**	40
4.	20	**13.**	C	**22.**	18.00
5.	A	**14.**	B	**23.**	12
6.	A	**15.**	A	**24.**	0.125
7.	D	**16.**	D	**25.**	18
8.	D	**17.**	D		
9.	B	**18.**	40.00		

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