Statistics, Probability and Odds — Practice Test

Saskatchewan Workplace and Apprenticeship Mathematics 30 • 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 **In 50 trials, an event is expected 5 times out of every 10 trials. The expected number of times is**

ANSWER _____

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2 **The data are 15, 20, 10, 5, 5. The mode is**

ANSWER _____

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3 The odds against an event are 2:3. The probability of the event is

- **A** $\frac{3}{5}$
- **B** $\frac{2}{5}$
- **C** $\frac{2}{3}$
- **D** $\frac{3}{2}$

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4 The probability of rolling a chosen number on a fair six-sided die is one sixth. The odds in favour of rolling that number are

- **A** 1:6
- **B** 1:5
- **C** 5:1
- **D** 6:1

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5 The odds against an event are 4:1. The probability of the event is

- A $\frac{4}{5}$
- B 4
- C $\frac{1}{5}$
- D $\frac{1}{4}$

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6 The odds against an event are 3:2. The probability of the event is

- A $\frac{3}{5}$
- B $\frac{3}{2}$
- C $\frac{2}{3}$
- D $\frac{2}{5}$

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7 **The data are 10, 15, 25, 56, 98. The median is**

ANSWER _____

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8 **The data are 11, 52, 62, 93, 94. The median is**

ANSWER _____

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

ANSWER _____

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10 **The data are 15, 5, 20, 5, 10. The mode is**

ANSWER _____

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11 **The data are 10, 5, 20, 15, 5. The mode is**

ANSWER _____

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12 **A spinner has 4 equal sections, 3 of them red. The probability of spinning red is, as a decimal,**

ANSWER _____

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13 **A spinner has 2 equal sections, 1 of them red. The probability of spinning red is, as a decimal,**

ANSWER _____

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14 **The data are 27, 37, 46, 50, 71. The median is**

ANSWER _____

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15 **In 20 trials, an event is expected 4 times out of every 10 trials. The expected number of times is**

ANSWER _____

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16 **A spinner has 4 equal sections, 1 of them red. The probability of spinning red is, as a decimal,**

ANSWER _____

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17 **The data are 4, 7, 7, 9, 11. The value that occurs most often is**

ANSWER _____

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18 **A survey asks for favourite colours: red, blue, red, green, red. The most common answer is**

- A red
- B blue
- C green
- D all equally

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

ANSWER _____

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

ANSWER _____

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21 **The data set 2, 2, 5, 5, 5, 8 has a mode of**

ANSWER _____

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22 **In a class, shoe sizes are 7, 8, 8, 9, 9, 9, 10. The mode is**

ANSWER _____

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23 **The middle value of the ordered data 3, 5, 8, 12, 20 is**

ANSWER _____

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24 **For the data 10, 20, 30, 40, the median is the average of the two middle values, which is**

ANSWER _____

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25 **The mean of the numbers 6, 8, 10 is**

ANSWER

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ANSWER KEY

1.	25	**10.**	5	**19.**	17.5
2.	5	**11.**	5	**20.**	22.5
3.	A	**12.**	0.75	**21.**	5
4.	B	**13.**	0.5	**22.**	9
5.	C	**14.**	46	**23.**	8
6.	D	**15.**	8	**24.**	25
7.	25	**16.**	0.25	**25.**	8
8.	62	**17.**	7		
9.	12.5	**18.**	A		

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