MANITOBA APPLIED MATHEMATICS 40S · UNIT F · 25 QUESTIONS

Probability — Practice Test

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 the data set 6, 9, 6, 11, 6, the mode is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A bag has 2 red balls out of 10 balls in total. The probability of drawing red, as a percent, is**

ANSWER _____

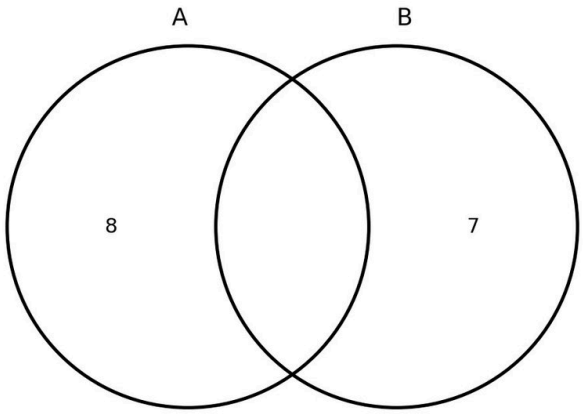
Understand It with Pulse | Flag a mistake

3 **The number of ways to choose 2 items from 8 items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **The Venn diagram shows 8 in A only and 7 in B only. There are 21 in total. The number in both sets is**



Question 4

The Venn diagram shows 8 in A only and 7 in B only. There are 21 in total. The number in both sets is

ANSWER

Understand It with Pulse | Flag a mistake

5 **The mean of 8, 10, 12, and 14 is**

ANSWER

Understand It with Pulse | Flag a mistake

6 **The median of 7, 9, 12, 14, and 16 is**

ANSWER

Understand It with Pulse | Flag a mistake

7 **A data set ranges from 8 to 20. Its range is**

ANSWER _____

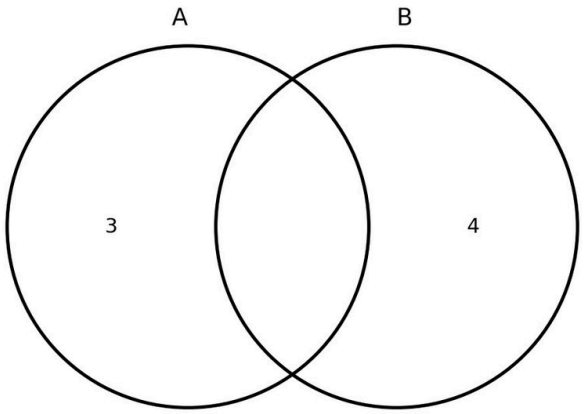
Understand It with Pulse | Flag a mistake

8 **In the data set 7, 10, 7, 12, 7, the mode is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **The Venn diagram shows 3 in A only and 4 in B only. There are 11 in total. The number in both sets is**



Question 9

The Venn diagram shows 3 in A only and 4 in B only. There are 11 in total. The number in both sets is

ANSWER _____

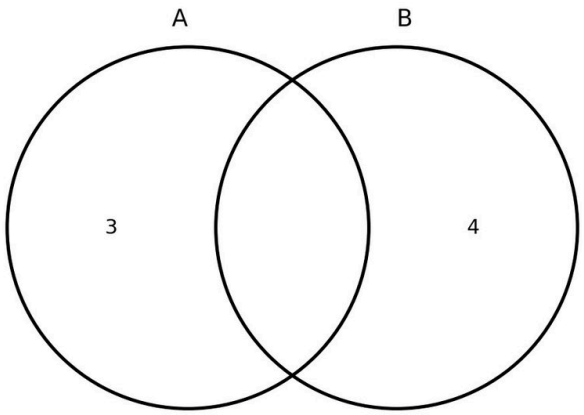
Understand It with Pulse | Flag a mistake

10 **The number of ways to choose 2 items from 4 items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **The Venn diagram shows 3 in A only and 4 in B only. There are 10 in total. The number in both sets is**



Question 11

The Venn diagram shows 3 in A only and 4 in B only. There are 10 in total. The number in both sets is

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **The mean of 3, 5, 7, and 9 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **The median of 8, 10, 13, 15, and 17 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **A data set ranges from 9 to 23. Its range is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **In the data set 8, 11, 8, 13, 8, the mode is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **The longest side of a right triangle is the**

A adjacent

B hypotenuse

C opposite

D leg

Understand It with Pulse | Flag a mistake

17 **In a right triangle, the side opposite the right angle is the**

A adjacent

B opposite side

C hypotenuse

D base

Understand It with Pulse | Flag a mistake

18 **The sum of the interior angles of a triangle is**

- A 90 degrees
- B 270 degrees
- C 360 degrees
- D 180 degrees

Understand It with Pulse | Flag a mistake

19 **The sum of the interior angles of a quadrilateral is**

- A 360 degrees
- B 180 degrees
- C 270 degrees
- D 540 degrees

Understand It with Pulse | Flag a mistake

20 **A polygon with five sides is a**

A hexagon

B pentagon

C octagon

D heptagon

Understand It with Pulse | Flag a mistake

21 **A polygon with six sides is a**

A pentagon

B octagon

C hexagon

D decagon

Understand It with Pulse | Flag a mistake

22 **A polygon with eight sides is an**

A hexagon

B pentagon

C decagon

D octagon

Understand It with Pulse | Flag a mistake

23 **The distance around a circle is the**

A circumference

B diameter

C radius

D area

Understand It with Pulse | Flag a mistake

24 **Half of the diameter of a circle is the**

- A circumference
- B radius
- C chord
- D arc

Understand It with Pulse | Flag a mistake

25 **The ratio of circumference to diameter is**

- A two
- B three
- C pi
- D the radius

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	6	**10.**	6	**19.**	A
2.	20	**11.**	3	**20.**	B
3.	28	**12.**	6	**21.**	C
4.	6	**13.**	13	**22.**	D
5.	11	**14.**	14	**23.**	A
6.	12	**15.**	8	**24.**	B
7.	12	**16.**	B	**25.**	C
8.	7	**17.**	C		
9.	4	**18.**	D		

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