Logical Reasoning, Puzzles and Games — 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 **A number puzzle: a number doubled and increased by 6 equals 54. The number is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Three friends sit in a row. Alex is not in the middle, and Ben is to the left of Alex. The person in the middle could be**

A. Casey

B. Alex

C. Ben

D. nobody

Understand It with Pulse | Flag a mistake

3 **A magic square row sums to 15 and contains 6 and 4. The missing number is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A knight moves in an L shape. Starting from a corner of a chessboard, the number of squares a knight can reach in one move is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A puzzle sequence is 9, 13, 17. The term in position 8 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **If all cats are animals, and Mittens is a cat, then Mittens is**

- A not an animal
- B an animal
- C a dog
- D unknown

Understand It with Pulse | Flag a mistake

7 **A number puzzle: a number doubled and increased by 6 equals 30. The number is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A puzzle sequence is 6, 12, 18. The term in position 9 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A puzzle sequence is 3, 8, 13. The term in position 8 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A magic square row sums to 15 and contains 6 and 7. The missing number is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **A number puzzle: a number doubled and increased by 6 equals 42. The number is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **A magic square row sums to 15 and contains 6 and 8. The missing number is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **A number tripled and decreased by 4 equals 20. The number is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **A number halved and increased by 5 equals 12. The number is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **Ann, Beth and Cara sit in a row. Ann sits in the middle. Beth sits to the left of Ann. Cara sits**

A to the left of Beth

B to the right of Ann

C in the middle

D to the left of Ann

Understand It with Pulse | Flag a mistake

16 **In a 3 by 3 magic square using the numbers 1 to 9, each row, column and diagonal sums to 15. The centre number must be**

ANSWER

Understand It with Pulse | Flag a mistake

17 **A knight starts in the centre of a chessboard. In one move, a knight can reach**

ANSWER

Understand It with Pulse | Flag a mistake

18 **Which number has digits that add to 10 and a first digit twice the last**

A 442

B 631

C 550

D 721

Understand It with Pulse | Flag a mistake

19 **If some teachers are musicians, and all musicians can read music, then some teachers**

- A can read music
- B cannot read music
- C are not teachers
- D are musicians

Understand It with Pulse | Flag a mistake

20 **A bag has 3 red and 2 blue marbles. A marble is drawn without looking. The colour most likely drawn is**

- A red
- B blue
- C both equally
- D neither

Understand It with Pulse | Flag a mistake

21 **The numbers 1, 3, 6, 10, 15 are triangular numbers. The next triangular number is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A square number pattern is 1, 4, 9, 16. The 6th square number is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **In a game, a player scores 2 points for a win and 1 for a draw. After 5 games with 3 wins and 2 draws, the total score is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **A code uses letters A, B, C in any order with no repeats. The number of different 3 letter codes is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25

A puzzle sequence doubles each time and starts 1, 2, 4. The 6th term is

ANSWER

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	24	**10.**	2	**19.**	A
2.	A	**11.**	18	**20.**	A
3.	5	**12.**	1	**21.**	21
4.	2	**13.**	8	**22.**	36
5.	37	**14.**	14	**23.**	8
6.	B	**15.**	B	**24.**	6
7.	12	**16.**	5	**25.**	32
8.	54	**17.**	8		
9.	38	**18.**	A		

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