NOVA SCOTIA MATHEMATICS 11 · FINAL EXAM

Final Exam — Practice Test

Nova Scotia Mathematics 11 • 50 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 length of 7 metres, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A right triangle has legs 3 centimetres and 4 centimetres. The hypotenuse, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **An arithmetic pattern starts at 3 and adds 4 each time. Term number 5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **In a survey of 40 students, 10 prefer science. The number who do not prefer science is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A line has slope 2 and y intercept 3 . Its value at x = 0 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A length of 750 centimetres, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A circle has radius 6 centimetres. Using 3.14 for pi, its circumference, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A statement and its converse have the same truth value**

- A Not always
- B Always
- C Never
- D Only for true statements

Understand It with Pulse | Flag a mistake

9 **Asking only friends about a school issue is likely to give a**

- A Mean
- B Biased sample
- C Census
- D Random sample

Understand It with Pulse | Flag a mistake

10 **Solve for x. 2x plus 4 equals 14. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **A distance of 6 kilometres, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **The longest chord of a circle is the**

A Radius

B Tangent

C Arc

D Diameter

Understand It with Pulse | Flag a mistake

13 **All cats are animals. Whiskers is a cat. Therefore Whiskers is an animal. This reasoning is**

A Inductive

B Circular

C Random

D Deductive

Understand It with Pulse | Flag a mistake

14 **The data set is 2, 5, 11. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 The range of a function is the set of

- **A** Slopes
- **B** Outputs
- **C** Domains
- **D** Inputs

Understand It with Pulse | Flag a mistake

16 A rectangle has length 9 metres and width 4 metres. Its perimeter, in metres, is

ANSWER _____

Understand It with Pulse | Flag a mistake

17 A parallelogram has base 10 centimetres and height 10 centimetres. Its area, in cm², is

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **If a shape is a square, then it has four sides. The inverse is**

- **A** If a shape has four sides, then it is a square
- **B** If a shape does not have four sides, then it is not a square
- **C** If a shape is not a square, then it does not have four sides
- **D** A shape is a square and has four sides

Understand It with Pulse | Flag a mistake

19 **The data set is 4, 8, 12. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A line passes through points (1, 3) and (5, 11). Its slope is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **A rectangle has length 9 metres and width 4 metres. Its area, in m², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A triangle has angles 40 degrees and 70 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **Out of 100 people surveyed, 25 chose option A. The number who did not choose A is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **In a survey of 80 students, 32 prefer science. The number who do not prefer science is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **If y = 2x, the value at x = 5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

26 **A triangle has base 12 centimetres and height 4 centimetres. Its area, in cm², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

27 **A right triangle has legs 8 centimetres and 15 centimetres. The hypotenuse, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

28 **A pattern starts 2, 5, 8, 11. It is found by adding 3 each time. If the 4th term is 11, the 5th term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

29 **The data set is 3, 5, 8, 10. The median is**

ANSWER _____

Understand It with Pulse | Flag a mistake

30 **A line rises 12 units for a run of 4 units. Its slope is**

ANSWER _____

Understand It with Pulse | Flag a mistake

31 **A circle has diameter 14 centimetres. Using 3.14 for pi, its circumference, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

32 **A parallelogram has base 9 centimetres and height 12 centimetres. Its area, in cm², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

33 **A pattern starts 2, 5, 8, 11. It is found by adding 3 each time. If the 4th term is 11, the 5th term is**

ANSWER _____

Understand It with Pulse | Flag a mistake

34 **The data set is 6, 6, 6, 8. The mode is**

ANSWER _____

Understand It with Pulse | Flag a mistake

35 **A line has slope 5 and y intercept 2 . Its value at x = 0 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

36 **A circle has radius 7 centimetres. Using 3.14 for pi, its area, in cm², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

37 **The sum of interior angles of a polygon with 6 sides, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

38 **Out of 80 people surveyed, 20 chose option A. The number who did not choose A is**

ANSWER _____

Understand It with Pulse | Flag a mistake

39 **The data set is 9, 15, 21. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

40 **For f(x) = 2x + 3 , the value at x = 4 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

41 **A box has length 8 centimetres, width 3 centimetres, and height 2 centimetres. Its volume, in cm³, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

42 **Two triangles with the same shape but different sizes are called**

A Parallel

B Similar

C Perpendicular

D Congruent

Understand It with Pulse | Flag a mistake

43 **The statement, if p then q, is false only when**

- A p is false and q is true
- B p is false and q is false
- C p is true and q is false
- D p is true and q is true

Understand It with Pulse | Flag a mistake

44 **The median is the value that**

- A Is the largest value
- B Is the total divided by count
- C Occurs most often
- D Splits ordered data in half

Understand It with Pulse | Flag a mistake

45 The slope of a horizontal line is

- A 0
- B 1
- C Undefined
- D Negative always

Understand It with Pulse | Flag a mistake

46 A cube has edge 4 centimetres. Its surface area, in cm², is

ANSWER _____

Understand It with Pulse | Flag a mistake

47 The sum of interior angles of a polygon with 10 sides, in degrees, is

ANSWER _____

Understand It with Pulse | Flag a mistake

48 **Out of 60 people surveyed, 15 chose option A. The number who did not choose A is**

ANSWER _____

Understand It with Pulse | Flag a mistake

49 **The data set is 11, 22, 33. The mean is**

ANSWER _____

Understand It with Pulse | Flag a mistake

50 **For f(x) = 3x + 1 , the value at x = 5 is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	700	**18.**	C	**35.**	2
2.	5	**19.**	8	**36.**	153.86
3.	19	**20.**	2	**37.**	720
4.	30	**21.**	36	**38.**	60
5.	3	**22.**	70	**39.**	15
6.	7.5	**23.**	75	**40.**	11
7.	37.68	**24.**	48	**41.**	48
8.	A	**25.**	10	**42.**	B
9.	B	**26.**	24	**43.**	C
10.	5	**27.**	17	**44.**	D
11.	6000	**28.**	14	**45.**	A
12.	D	**29.**	6.5	**46.**	96
13.	D	**30.**	3	**47.**	1440
14.	5	**31.**	43.96	**48.**	45
15.	B	**32.**	108	**49.**	22
16.	26	**33.**	14	**50.**	16
17.	100	**34.**	6		

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