NOVA SCOTIA MATHEMATICS AT WORK 11 · FINAL EXAM · 50 QUESTIONS

Final Exam — 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 **A rectangular yard is 20 metres by 15 metres. Fencing needed for its perimeter, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A regular polygon has 5 sides. Each exterior angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A worker earns 18 dollars per hour and works 10 hours. Gross pay, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Evaluate 3x + 5 when x = 4 . The value is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Daily sales in dollars are 120, 150, 180, 210. The range, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A wall area is 240 m² and each roll covers 12 m². Rolls needed are**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A circular table has radius 3 centimetres. Using 3.14 for pi, its area, in cm², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A bill of 120 dollars is shared equally among 4 people. Each share, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **Combining like terms, 2x plus 3x equals**

A 2x plus 3

B 5x

C 5

D 6x

Understand It with Pulse | Flag a mistake

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

- A Line only
- B Whole
- C Table only
- D Single number

Understand It with Pulse | Flag a mistake

11 **A floor is 12 metres long and 9 metres wide. At 5 dollars per m², the flooring cost, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **A right angle measures**

A 90 degrees

B 180 degrees

C 360 degrees

D 45 degrees

Understand It with Pulse | Flag a mistake

13 **Rounding 47 to the nearest ten gives**

A 40

B 47

C 45

D 50

Understand It with Pulse | Flag a mistake

14 **In the expression 3x plus 5, the constant term is**

A 5

B 3

C x

D 8

Understand It with Pulse | Flag a mistake

15 **The most common shoe size sold is the**

A Mean

B Median

C Range

D Mode

Understand It with Pulse | Flag a mistake

16 **A square garden bed has side 3 metres. Its area, in m², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **A regular polygon has 6 sides. Each exterior angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A worker earns 20 dollars per hour and works 15 hours. Gross pay, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **Area equals length times width. Length 15 metres and area 60 m². Width, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A worker works 36 hours in a week at a steady rate. Hours per day over 6 days are**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **A floor is 8 metres long and 6 metres wide. At 7 dollars per m², the flooring cost, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A circular table has radius 7 centimetres. Using 3.14 for pi, its area, in cm², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **A bill of 150 dollars is shared equally among 5 people. Each share, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **Solve for x. 2x plus 3 equals 11. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **Items sold over three days are 5, 15, 25. The mean per day is**

ANSWER _____

Understand It with Pulse | Flag a mistake

26 **A square garden bed has side 5 metres. Its area, in m², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

27 **A roof pitch rises at 30 degrees from horizontal. The angle between the roof and a vertical wall, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

28 **A worker makes 18 items in 6 hours. Items made per hour are**

ANSWER _____

Understand It with Pulse | Flag a mistake

29 **Simple interest is principal times rate percent times years divided by 100. Principal 300 dollars, rate 6 percent, years 2. Interest, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

30 **Hourly wages in dollars are 20, 22, 24, 26. The mean wage, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

31 **A paint can covers 900 m² and costs 5 dollars. Painting a wall of 900 m² costs, in dollars**

ANSWER _____

Understand It with Pulse | Flag a mistake

32 **A ladder leans against a wall. Its foot is 8 metres from the wall and it reaches 15 metres up the wall. The ladder length, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

33 **A mixture uses 4 parts red paint and 3 parts blue paint. Total parts are**

ANSWER _____

Understand It with Pulse | Flag a mistake

34 **Area equals length times width. Length 20 metres and area 60 m². Width, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

35 **A worker works 60 hours in a week at a steady rate. Hours per day over 6 days are**

ANSWER _____

Understand It with Pulse | Flag a mistake

36 **Concrete volume needed is 20 m^3 at 120 dollars per m^3. The cost, in dollars, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

37 **A triangular sign has base 12 centimetres and height 6 centimetres. Its area, in cm^2, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

38 **The fraction $\frac{1}{2}$ as a decimal is**

ANSWER _____

Understand It with Pulse | Flag a mistake

39 **Solve for x . $\frac{x}{9} = 3$. The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

40

Weekly hours are 35, 39, 41. The median, in hours, is

ANSWER _____

Understand It with Pulse | Flag a mistake

41

One litre equals how many millilitres?

A 100

B 1000

C 10

D 500

Understand It with Pulse | Flag a mistake

42 **In a right triangle, the hypotenuse is the**

A Vertical side only

B Base only

C Longest side

D Shortest side

Understand It with Pulse | Flag a mistake

43 **Sales tax is added to a price to give the**

A Discount

B Original price only

C Unit rate

D Total paid

Understand It with Pulse | Flag a mistake

44 **The value of 4^2 is**

A 12

B 20

C 8

D 16

Understand It with Pulse | Flag a mistake

45 **Items sold over three days are 10, 20, 30. The mean per day is**

ANSWER _____

Understand It with Pulse | Flag a mistake

46 **Which unit best measures the volume of a paint can?**

- A Kilometre
- B Gram
- C Litre
- D Second

Understand It with Pulse | Flag a mistake

47 **A triangular sign has base 14 centimetres and height 4 centimetres. Its area, in cm², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

48 **The fraction $\frac{7}{10}$ as a decimal is**

ANSWER _____

Understand It with Pulse | Flag a mistake

49 **Solve for x . $\frac{x}{8}$ = 4 . The value of x is**

ANSWER _____

Understand It with Pulse | Flag a mistake

50 **Weekly hours are 30, 33, 36. The median, in hours, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	70	**18.**	300	**35.**	10
2.	72	**19.**	4	**36.**	2400
3.	180	**20.**	6	**37.**	36
4.	17	**21.**	336	**38.**	0.5
5.	90	**22.**	153.86	**39.**	27
6.	20	**23.**	30	**40.**	39
7.	28.26	**24.**	4	**41.**	B
8.	30	**25.**	15	**42.**	C
9.	B	**26.**	25	**43.**	D
10.	B	**27.**	60	**44.**	D
11.	540	**28.**	3	**45.**	20
12.	A	**29.**	36	**46.**	C
13.	D	**30.**	23	**47.**	28
14.	A	**31.**	5	**48.**	0.7
15.	D	**32.**	17	**49.**	32
16.	9	**33.**	7	**50.**	33
17.	60	**34.**	3		

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