NEWFOUNDLAND AND LABRADOR MATHEMATICS 1202 · 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 rectangle has length 4 and width 3. Its area is**

A 12

B 13

C 11

D 14

Understand It with Pulse | Flag a mistake

2 **In a right triangle the side opposite an angle is 9 and the adjacent side is 12. The tangent of the angle is**

- A 1.25
- B 0.25
- C 0.75
- D 1.75

Understand It with Pulse | Flag a mistake

3 **An angle measures 11 degrees. Its complement is**

- A 79
- B 80
- C 78
- D 81

Understand It with Pulse | Flag a mistake

4 **At an exchange rate of 1.3, 400 Canadian dollars converts to**

- A 521
- B 519
- C 520
- D 522

Understand It with Pulse | Flag a mistake

5 **Gross pay is 432 dollars and deductions are 40 dollars. The net pay in dollars is**

- A 393
- B 392
- C 391
- D 394

Understand It with Pulse | Flag a mistake

6 **What is the meaning of area of a rectangle?**

- **A** $\frac{1}{2}$ × base × height
- **B** π × radius²
- **C** changing metres to centimetres or a similar change
- **D** length × width

Understand It with Pulse | Flag a mistake

7 **What is the meaning of ladder problem?**

- **A** a problem using a ladder leaning against a wall
- **B** the rise divided by the run of a ramp
- **C** using shadows and similar triangles to find a height
- **D** a tool that measures an angle of elevation

Understand It with Pulse | Flag a mistake

8 **What is the meaning of complementary angles?**

A two angles that sum to one hundred eighty degrees

B opposite angles formed by two crossing lines

C two angles that sum to ninety degrees

D lines that never meet

Understand It with Pulse | Flag a mistake

9 **What is the meaning of bulk price?**

A the value of one currency in another currency

B the currency of Canada

C the currency of the United States

D the price for a large pack of items

Understand It with Pulse | Flag a mistake

10 **What is the meaning of deduction?**

A a letter standing for an unknown number

B an amount taken from gross pay

C a statement that two expressions are equal

D numbers and variables joined by operations

Understand It with Pulse | Flag a mistake

11 **What is the meaning of length?**

A how wide something is

B how long something is

C length multiplied by width

D half of base multiplied by height

Understand It with Pulse | Flag a mistake

12 **What is the meaning of reference angle?**

A a problem using a ladder leaning against a wall

B the rise divided by the run of a ramp

C using shadows and similar triangles to find a height

D the acute angle used in a trig ratio

Understand It with Pulse | Flag a mistake

13 **What is the meaning of straight angle?**

A two angles that sum to ninety degrees

B an angle of one hundred eighty degrees

C two angles that sum to one hundred eighty degrees

D opposite angles formed by two crossing lines

Understand It with Pulse | Flag a mistake

14 **What is the meaning of exchange rate?**

A the value of one currency in another currency

B the currency of Canada

C the currency of the United States

D a charge added when changing currency

Understand It with Pulse | Flag a mistake

15 **What is the meaning of hourly wage?**

A hours worked beyond the regular hours

B an amount taken from gross pay

C a letter standing for an unknown number

D pay earned for one hour of work

Understand It with Pulse | Flag a mistake

16 **A rectangle has length 3 and width 2. Its perimeter is**

A 11

B 9

C 12

D 10

Understand It with Pulse | Flag a mistake

17 **What is the meaning of tangent?**

A the acute angle used in a trig ratio

B a problem using a ladder leaning against a wall

C opposite over adjacent in a right triangle

D the rise divided by the run of a ramp

Understand It with Pulse | Flag a mistake

18 **Which term matches this description: a line that crosses two or more lines?**

A triangle angle sum

B transversal

C quadrilateral

D angle

Understand It with Pulse | Flag a mistake

19 **Which term matches this description: a charge added when changing currency?**

A total cost

B discount

C conversion fee

D sale price

Understand It with Pulse | Flag a mistake

20 **Which term matches this description: a letter standing for an unknown number?**

- A equation
- B variable
- C expression
- D coefficient

Understand It with Pulse | Flag a mistake

21 **A rectangle has length 9 and width 4. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **In a right triangle the side opposite an angle is 8 and the adjacent side is 15. The tangent of the angle is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 A triangle has angles 55 degrees and 45 degrees. The third angle is

ANSWER _____

Understand It with Pulse | Flag a mistake

24 A pack of 8 items costs 56 dollars. The price per item in dollars is

ANSWER _____

Understand It with Pulse | Flag a mistake

25 For the rule y = 2x + 1 , when x is 2 , y is

ANSWER _____

Understand It with Pulse | Flag a mistake

26 A length of 5 metres, changed to centimetres, is

ANSWER _____

Understand It with Pulse | Flag a mistake

27 **A right triangle has legs 5 and 12. Its hypotenuse is**

ANSWER _____

Understand It with Pulse | Flag a mistake

28 **A triangle has angles 33 degrees and 43 degrees. The third angle is**

A 104

B 105

C 103

D 106

Understand It with Pulse | Flag a mistake

29 **A pack of 4 items costs 36 dollars. The price per item in dollars is**

ANSWER _____

Understand It with Pulse | Flag a mistake

30 **For the rule y = 4x + 3 , when x is 8 , y is**

ANSWER _____

Understand It with Pulse | Flag a mistake

31 **Which term matches this description: a shape made from two or more simple shapes?**

A composite shape

B estimate

C measuring tape

D floor area

Understand It with Pulse | Flag a mistake

32 **A right triangle has legs 12 and 16. Its hypotenuse is**

ANSWER _____

Understand It with Pulse | Flag a mistake

33 **An angle measures 44 degrees. Its supplement is**

ANSWER _____

Understand It with Pulse | Flag a mistake

34 **At an exchange rate of 0.9, 300 Canadian dollars converts to**

ANSWER _____

Understand It with Pulse | Flag a mistake

35 **Gross pay is 315 dollars and deductions are 70 dollars. The net pay in dollars is**

ANSWER _____

Understand It with Pulse | Flag a mistake

36 **A rectangle has length 7 and width 8. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

37 **A right triangle has hypotenuse 20 and one leg 12. The other leg is**

ANSWER _____

Understand It with Pulse | Flag a mistake

38 **An angle measures 37 degrees. Its complement is**

ANSWER _____

Understand It with Pulse | Flag a mistake

39 **A pack of 6 items costs 42 dollars. The price per item in dollars is**

ANSWER _____

Understand It with Pulse | Flag a mistake

40 **A worker earns 16 dollars per hour for 10 hours. The gross pay in dollars is**

A 161

B 160

C 159

D 162

Understand It with Pulse | Flag a mistake

41 **Which term matches this description: length multiplied by width?**

A area of a triangle

B area of a circle

C area of a rectangle

D unit conversion

Understand It with Pulse | Flag a mistake

42 **Which term matches this description: one of the two shorter sides of a right triangle?**

A sine

B cosine

C leg

D tangent

Understand It with Pulse | Flag a mistake

43 **Which term matches this description: opposite angles formed by two crossing lines?**

A parallel lines

B transversal

C triangle angle sum

D vertical angles

Understand It with Pulse | Flag a mistake

44 **Which term matches this description: the option with the lowest unit price?**

A bulk price

B best buy

C exchange rate

D Canadian dollar

Understand It with Pulse | Flag a mistake

45 **Which term matches this description: pay earned for one hour of work?**

A overtime

B deduction

C hourly wage

D variable

Understand It with Pulse | Flag a mistake

46 **Which term matches this description: twice length plus twice width?**

A composite shape

B estimate

C measuring tape

D perimeter of a rectangle

Understand It with Pulse | Flag a mistake

47 **Which term matches this description: the rise divided by the run of a ramp?**

A ramp slope

B shadow method

C clinometer

D scale drawing

Understand It with Pulse | Flag a mistake

48 **Which term matches this description: two angles that sum to one hundred eighty degrees?**

A vertical angles

B parallel lines

C supplementary angles

D transversal

Understand It with Pulse | Flag a mistake

49 **Which term matches this description: the value of one currency in another currency?**

A Canadian dollar

B American dollar

C conversion fee

D exchange rate

Understand It with Pulse | Flag a mistake

50 **Which term matches this description: total pay before deductions?**

A gross pay

B net pay

C hourly wage

D overtime

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	A	**18.**	B	**35.**	245
2.	C	**19.**	C	**36.**	56
3.	A	**20.**	B	**37.**	16
4.	C	**21.**	36	**38.**	53
5.	B	**22.**	0.53	**39.**	7
6.	D	**23.**	80	**40.**	B
7.	A	**24.**	7	**41.**	C
8.	C	**25.**	5	**42.**	C
9.	D	**26.**	500	**43.**	D
10.	B	**27.**	13	**44.**	B
11.	B	**28.**	A	**45.**	C
12.	D	**29.**	9	**46.**	D
13.	B	**30.**	35	**47.**	A
14.	A	**31.**	A	**48.**	C
15.	D	**32.**	20	**49.**	D
16.	D	**33.**	136	**50.**	A
17.	C	**34.**	270		

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