FINAL EXAM - PRACTICE TEST | NEW BRUNSWICK GEOMETRY, MEASUREMENT AND FINANCE 10 · FINAL EXAM · 50 QUESTIONS

Final Exam — Practice Test

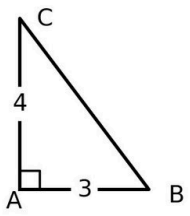
This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A mass of 1 kilograms equals how many grams**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The diagram shows a right triangle with legs 3 and 4. The hypotenuse is**



ANSWER _____

Understand It with Pulse | Flag a mistake

3 A right triangle has opposite side 5 and hypotenuse 13. The sine ratio is

- **A** $\frac{12}{13}$
- **B** $\frac{5}{12}$
- **C** $\frac{5}{13}$
- **D** $\frac{13}{5}$

Understand It with Pulse | Flag a mistake

4 A cylinder has radius 3 and height 5. Using pi as 3.14 its volume is

ANSWER _____

Understand It with Pulse | Flag a mistake

5 A worker earns 20 dollars per hour for 40 hours. The gross pay in dollars is

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A length of 5 metres equals how many centimetres**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A polygon with 5 sides is called a**

A hexagon

B pentagon

C octagon

D quadrilateral

Understand It with Pulse | Flag a mistake

8 **A right triangle has opposite side 12 and adjacent side 5. The tangent as a decimal is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A box has length 10 width 3 and height 3. Its volume is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Simple interest on 1000 dollars at 5 percent per year for 2 years is in dollars**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **A length of 3 metres equals how many centimetres**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **A quadrilateral has how many sides**

- A 3
- B 4
- C 5
- D 6

Understand It with Pulse | Flag a mistake

13 **The sine of 30 degrees is**

- A 1
- B 0
- C 0.5
- D 0.866

Understand It with Pulse | Flag a mistake

14 **A sphere has radius 3 . Using pi as 3.14 and $(\frac{4}{3})$ pi r³ its volume is**

ANSWER

Understand It with Pulse | Flag a mistake

15 **Compound interest differs from simple interest because it is charged on**

A principal plus past interest

B principal only

C time only

D pack size

Understand It with Pulse | Flag a mistake

16 **A length of 7 metres equals how many centimetres**

ANSWER

Understand It with Pulse | Flag a mistake

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

A 180 degrees

B 360 degrees

C 90 degrees

D 540 degrees

Understand It with Pulse | Flag a mistake

18 **To find an unknown angle from a trig ratio a student uses the**

A Pythagorean theorem only

B angle sum only

C inverse trig ratio

D area formula

Understand It with Pulse | Flag a mistake

19 **A cube has side 6. Its surface area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A loan of 2400 dollars repaid in 12 equal monthly payments has a monthly payment in dollars of**

ANSWER _____

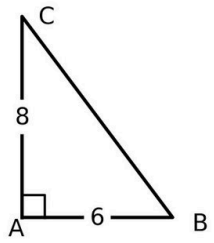
Understand It with Pulse | Flag a mistake

21 **A length of 4500 millimetres equals how many metres**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **The diagram shows a right triangle with legs 6 and 8. The hypotenuse is**



ANSWER

Understand It with Pulse | Flag a mistake

23 **A right triangle has hypotenuse 25 and adjacent side 24. The cosine as a decimal is**

ANSWER

Understand It with Pulse | Flag a mistake

24 **A rectangular prism has length 6 width 3 and height 2. Its volume is**

ANSWER

Understand It with Pulse | Flag a mistake

25 **A shirt costs 60 dollars and is discounted by 10 percent. The discount in dollars is**

ANSWER _____

Understand It with Pulse | Flag a mistake

26 **A length of 6 metres equals how many centimetres**

ANSWER _____

Understand It with Pulse | Flag a mistake

27 **A right triangle has hypotenuse 10 and one leg 6. The other leg is**

ANSWER _____

Understand It with Pulse | Flag a mistake

28 **Sine cosine and tangent are called**

A trigonometric ratios

B polynomial terms

C geometric means

D prime factors

Understand It with Pulse | Flag a mistake

29 **A cylinder has radius 5 and height 4. Using pi as 3.14 its volume is**

ANSWER _____

Understand It with Pulse | Flag a mistake

30 **A pack of 5 items costs 25 dollars. The unit price in dollars is**

ANSWER _____

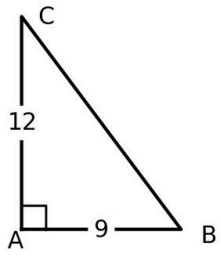
Understand It with Pulse | Flag a mistake

31 **An appropriate unit for a room length is the**

- **A** millimetre
- **B** kilometre
- **C** milligram
- **D** metre

Understand It with Pulse | Flag a mistake

32 **The diagram shows a right triangle with legs 9 and 12. The hypotenuse is**



ANSWER

Understand It with Pulse | Flag a mistake

33 A right triangle has opposite side 8 and hypotenuse 17. The sine ratio is

- A $\frac{15}{17}$
- B $\frac{8}{17}$
- C $\frac{8}{15}$
- D $\frac{17}{8}$

Understand It with Pulse | Flag a mistake

34 A cube has side 2. Its volume is

ANSWER _____

Understand It with Pulse | Flag a mistake

35 A worker earns 30 dollars per hour for 20 hours. The gross pay in dollars is

ANSWER _____

Understand It with Pulse | Flag a mistake

36 **A length of 11 metres equals how many centimetres**

ANSWER _____

Understand It with Pulse | Flag a mistake

37 **A right triangle has legs 12 and 16. The hypotenuse is**

ANSWER _____

Understand It with Pulse | Flag a mistake

38 **The sine of 0 degrees is**

A 1

B 0.5

C 0

D 0.866

Understand It with Pulse | Flag a mistake

39 **A rectangular prism has length 4 width 4 and height 4. Its volume is**

ANSWER _____

Understand It with Pulse | Flag a mistake

40 **A pack of 3 items costs 15 dollars. The unit price in dollars is**

ANSWER _____

Understand It with Pulse | Flag a mistake

41 **The best unit for the volume of a drink is the**

A kilometre

B kilogram

C millimetre

D litre

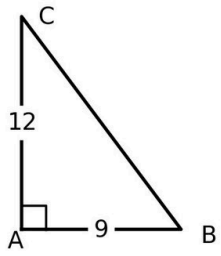
Understand It with Pulse | Flag a mistake

42 **Vertical angles formed by intersecting lines are**

- **A** supplementary always
- **B** complementary always
- **C** always 90 degrees
- **D** equal

Understand It with Pulse | Flag a mistake

43 **The diagram shows a right triangle with legs 9 and 12. Its hypotenuse is**



ANSWER

Understand It with Pulse | Flag a mistake

44 **The surface area of a cube with side s is**

A s^3

B $6\ s^2$

C $4\ s$

D $2\ s^2$

Understand It with Pulse | Flag a mistake

45 **Unit price helps a shopper to**

A compare value across pack sizes

B find the store location

C count the items only

D avoid paying tax

Understand It with Pulse | Flag a mistake

46 **A length of 25 metres equals how many centimetres**

ANSWER _____

Understand It with Pulse | Flag a mistake

47 **A right triangle has legs 10 and 24. The hypotenuse is**

ANSWER _____

Understand It with Pulse | Flag a mistake

48 **To find a missing side using a known angle a student first identifies the**

A colour of the triangle

B author of the problem

C known and unknown sides

D page number

Understand It with Pulse | Flag a mistake

49 **A rectangular prism has length 6 width 4 and height 5. Its volume is**

ANSWER _____

Understand It with Pulse | Flag a mistake

50 **A pack of 7 items costs 35 dollars. The unit price in dollars is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	100	**18.**	C	**35.**	600
2.	5	**19.**	216	**36.**	1100
3.	C	**20.**	200	**37.**	20
4.	141.3	**21.**	4.5	**38.**	C
5.	800	**22.**	10	**39.**	64
6.	500	**23.**	0.96	**40.**	5
7.	B	**24.**	36	**41.**	D
8.	2.4	**25.**	6	**42.**	D
9.	90	**26.**	600	**43.**	15
10.	100	**27.**	8	**44.**	B
11.	300	**28.**	A	**45.**	A
12.	B	**29.**	314	**46.**	2500
13.	C	**30.**	5	**47.**	26
14.	113.04	**31.**	D	**48.**	C
15.	A	**32.**	15	**49.**	120
16.	700	**33.**	B	**50.**	5
17.	B	**34.**	8		

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