NOVA SCOTIA MATHEMATICS 11 · UNIT B

Geometry — Practice Test

Nova Scotia Mathematics 11 • 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 parallelogram has base 12 centimetres and height 8 centimetres. Its area, in cm², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A right triangle has hypotenuse 5 centimetres and one leg 3 centimetres. The other leg, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A shape with side 4 centimetres is enlarged by scale factor 3. The new side, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A triangle has angles 50 degrees and 60 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **If two angles add to 90 degrees, they are called**

A Complementary

B Vertical

C Adjacent

D Supplementary

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 line that touches a circle at exactly one point is called a**

A Chord

B Diameter

C Secant

D Tangent

Understand It with Pulse | Flag a mistake

9 **A quadrilateral with both pairs of opposite sides parallel is a**

- A Triangle
- B Circle
- C Parallelogram
- D Trapezoid only

Understand It with Pulse | Flag a mistake

10 **In a right triangle, the side opposite the right angle is called the**

- A Hypotenuse
- B Altitude
- C Median
- D Leg

Understand It with Pulse | Flag a mistake

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

A Radius

B Tangent

C Arc

D Diameter

Understand It with Pulse | Flag a mistake

12 **The sum of angles in any triangle is**

A 360 degrees

B 270 degrees

C 180 degrees

D 90 degrees

Understand It with Pulse | Flag a mistake

13 **The sum of interior angles of a polygon with 5 sides, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **Two parallel lines are cut by a transversal. One angle is 70 degrees. Its corresponding angle, in degrees, is**

A 70

B 80

C 60

D 90

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **A right triangle has hypotenuse 13 centimetres and one leg 5 centimetres. The other leg, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **A right triangle has legs 5 centimetres and 12 centimetres. The hypotenuse, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A shape with side 5 centimetres is enlarged by scale factor 2. The new side, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **If two angles add to 180 degrees, they are called**

- A Vertical
- B Supplementary
- C Acute
- D Complementary

Understand It with Pulse | Flag a mistake

21 **A parallelogram has base 16 centimetres and height 5 centimetres. Its area, in cm², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A right triangle has hypotenuse 10 centimetres and one leg 6 centimetres. The other leg, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **A shape with side 6 centimetres is enlarged by scale factor 3. The new side, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **A triangle has angles 35 degrees and 85 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	96	**10.**	A	**19.**	70
2.	4	**11.**	D	**20.**	B
3.	5	**12.**	C	**21.**	80
4.	12	**13.**	540	**22.**	8
5.	70	**14.**	A	**23.**	17
6.	A	**15.**	100	**24.**	18
7.	37.68	**16.**	12	**25.**	60
8.	D	**17.**	13		
9.	C	**18.**	10		

© 2026 Brett Robbins. All Rights Reserved.