QUEBEC MATHEMATICS, CULTURAL, SOCIAL AND TECHNICAL OPTION, SECONDARY IV · UNIT C

Geometry — Practice Test

Quebec Mathematics, Cultural, Social and Technical Option, Secondary IV • 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 **Two triangles are similar with a scale factor of 5. A side of length 15 in the smaller triangle has length in the larger triangle**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **The distance between (0,0) and (6,8) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A rectangle has length 15 and width 4. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A cube has side 5. Its surface area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **Two lines that never meet are**

A parallel

B perpendicular

C intersecting

D coincident

Understand It with Pulse | Flag a mistake

6 **A rectangular prism has length 4 width 3 and height 5. Its volume is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Two triangles are similar with a scale factor of 3. A side of length 9 in the smaller triangle has length in the larger triangle**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A cube has side 3. Its surface area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **Two lines that meet at a right angle are**

A perpendicular

B parallel

C coincident

D skew

Understand It with Pulse | Flag a mistake

10 **A triangle has base 12 and height 8. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **The x coordinate of the midpoint of (3,4) and (11,10) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **A rectangle has length 11 and width 3. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **A rectangle has length 12 and width 7. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **A circle has radius 10. Using pi=3.14 its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **The sine of 30 degrees is**

A 0.5

B 1

C 0.87

D 0.71

Understand It with Pulse | Flag a mistake

16 **The tangent of 45 degrees is**

A 1

B 0.5

C 0

D 2

Understand It with Pulse | Flag a mistake

17 **The distance between (1,2) and (4,6) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **The distance between (0,0) and (3,4) is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A rectangle has length 20 and width 6. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **A rectangle has length 20 and width 6. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **A right triangle has hypotenuse 5 and one leg 3. The other leg is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **Two sides of length 4 meet at 60 degrees. By the cosine law the third side is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **A circle has radius 10. Using pi=3.14 its circumference is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **A right triangle has hypotenuse 13 and one leg 5. The other leg is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	75	**10.**	48	**19.**	52
2.	10	**11.**	7	**20.**	120
3.	38	**12.**	33	**21.**	4
4.	150	**13.**	84	**22.**	4
5.	A	**14.**	314	**23.**	62.8
6.	60	**15.**	A	**24.**	216
7.	27	**16.**	A	**25.**	12
8.	54	**17.**	5		
9.	A	**18.**	5		

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