NOVA SCOTIA MATHEMATICS AT WORK 11 · UNIT B · 25 QUESTIONS

Geometry — 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 ladder leans against a wall. Its foot is 6 metres from the wall and it reaches 8 metres up the wall. The ladder length, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A rectangular workbench top is 7 metres by 5 metres. Its perimeter, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A roof pitch rises at 60 degrees from horizontal. The angle between the roof and a vertical wall, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A square shed has side 3 metres. Its area, in m², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A triangle cut for a frame has angles 50 degrees and 60 degrees. The third angle, in degrees, is**

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 level tool is used on site to check that a surface is**

A Vertical only

B Circular

C Diagonal only

D Horizontal

Understand It with Pulse | Flag a mistake

9 **A right angle measures**

A 90 degrees

B 180 degrees

C 360 degrees

D 45 degrees

Understand It with Pulse | Flag a mistake

10 **A straight angle measures**

A 45 degrees

B 180 degrees

C 270 degrees

D 90 degrees

Understand It with Pulse | Flag a mistake

11 **A 3, 4, 5 triangle is a right triangle because**

A 3 + 4 equals 5

B 3 × 4 equals 5

C 5 - 4 equals 3

D 9 + 16 equals 25

Understand It with Pulse | Flag a mistake

12 **A triangular sign has base 10 centimetres and height 8 centimetres. Its area, in cm², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **A ladder leans against a wall. Its foot is 9 metres from the wall and it reaches 12 metres up the wall. The ladder length, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **A rectangular workbench top is 9 metres by 4 metres. Its perimeter, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

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

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **A roof pitch rises at 45 degrees from horizontal. The angle between the roof and a vertical wall, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **A square shed has side 4 metres. Its area, in m², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A triangle cut for a frame has angles 70 degrees and 40 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **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

20 **A ladder leans against a wall. Its foot is 5 metres from the wall and it reaches 12 metres up the wall. The ladder length, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **A rectangular workbench top is 11 metres by 6 metres. Its perimeter, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **A regular polygon has 8 sides. Each exterior angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **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

24 **A square shed has side 5 metres. Its area, in m², is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **A triangle cut for a frame has angles 80 degrees and 60 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 10
2. 24
3. 72
4. 30
5. 9
6. 70
7. 28.26
8. D
9. A
10. B
11. D
12. 40
13. 15
14. 26
15. 60
16. 45
17. 16
18. 70
19. 153.86
20. 13
21. 34
22. 45
23. 60
24. 25
25. 40

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