MATHEMATICS 2202 · NEWFOUNDLAND AND LABRADOR

Mathematics 2202

Practice Test

Unit A: Surface Area and Volume

25 Questions

Original practice test based on the Newfoundland and Labrador curriculum. Work through each question, then check your answers at the end.

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.

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Question 1

A cylinder has radius 3 cm and height 5 cm. Its volume, to one decimal place, in cm^3, using pi equals 3.14, is

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Question 2

A rectangular prism measures 6 by 3 by 4 cm. Its volume, in cm^3, is

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Question 3

A rectangular prism measures 4 by 4 by 5 cm. Its surface area, in cm^2, is

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Question 4

A cube has side 3 cm. Its volume, in cm^3, is

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Question 5

A sphere has radius 3 cm. Its surface area, to one decimal place, in cm^2, using pi equals 3.14, is

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Question 6

A cone has radius 4 cm and height 3 cm. Its volume, to one decimal place, in cm^3, using pi equals 3.14, is

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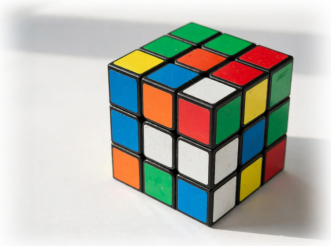

Question 7

Check the definition first. Surface area measures

A) the space inside a solid

B) the perimeter of a face

C) the total area of all faces of a solid

D) the length of an edge

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Question 8

A cylinder has radius 3 cm and height 4 cm. Its total surface area, to one decimal place, in cm^2, using pi equals 3.14, is

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Question 9

A container holds 2000 cm^3 of water. Its capacity, in litres, is

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Question 10

A prism has base area 15 cm^2 and length 4 cm. Its volume, in cm^3, is

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Question 11

Think about the rule. Which unit measures volume?

A) cm^2

B) centimetre

C) cm^3

D) m^2 per second

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Question 12

A sphere has radius 4 cm. Its volume, to one decimal place, in cm^3, using pi equals 3.14, is

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Question 13

Two boxes have volumes 24 and 36 cm^3. Their total volume, in cm^3, is

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Question 14

A cube has side 7 cm. Its surface area, in cm^2, is

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Question 15

A cylinder has radius 4 cm and height 6 cm. Its volume, to one decimal place, in cm^3, using pi equals 3.14, is

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Question 16

A rectangular prism measures 7 by 5 by 2 cm. Its volume, in cm^3, is

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Question 17

A rectangular prism measures 6 by 3 by 2 cm. Its surface area, in cm^2, is

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Question 18

A cube has side 5 cm. Its volume, in cm^3, is

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Question 19

A sphere has radius 5 cm. Its surface area, to one decimal place, in cm^2, using pi equals 3.14, is

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Question 20

A cone has radius 2 cm and height 9 cm. Its volume, to one decimal place, in cm^3, using pi equals 3.14, is

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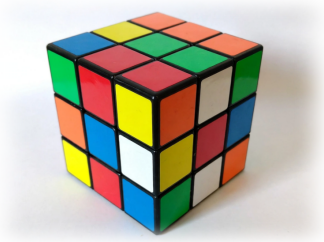

Question 21

Think about the principle. Surface area measures

A) the total area of all faces of a solid

B) the space inside a solid

C) the perimeter of a face

D) the length of an edge

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Question 22

A cylinder has radius 2 cm and height 5 cm. Its total surface area, to one decimal place, in cm^2, using pi equals 3.14, is

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Question 23

A container holds 5000 cm^3 of water. Its capacity, in litres, is

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Question 24

A prism has base area 8 cm^2 and length 7 cm. Its volume, in cm^3, is

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Question 25

Review the principle. Which unit measures volume?

A) cm^3

B) cm^2

C) centimetre

D) m^2 per second

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ANSWER KEY

1. 141.3
2. 72
3. 112
4. 27
5. 113.0
6. 50.2
7. C
8. 131.9
9. 2
10. 60
11. C
12. 267.9
13. 60
14. 294
15. 301.4
16. 70
17. 72
18. 125
19. 314
20. 37.7
21. A
22. 87.9
23. 5
24. 56
25. A

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