Measurement, Surface Area, Volume and Capacity — Practice Test

Saskatchewan Workplace and Apprenticeship Mathematics 20 • 10 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 **The volume of a rectangular prism 3 m by 2 m by 9 m, in m³, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Using pi equals 3.14, the surface area of a cylinder with radius 5 cm and height 8 cm, in cm², is approximately**

A. 408.2

B. 628

C. 251.2

D. 78.5

Understand It with Pulse | Flag a mistake

3 **A rectangular box is 2 cm long, 10 cm wide and 5 cm high. Its volume, in cm³, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Using pi equals 3.14, the volume of a sphere with radius 6 cm, in cm³, is approximately**

A 452.16

B 678.24

C 904.32

D 113.04

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5 **The volume of a rectangular prism 8 m by 2 m by 6 m, in m³, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **Using pi equals 3.14, the surface area of a cylinder with radius 5 cm and height 7 cm, in cm², is approximately**

- A 549.5
- B 219.8
- C 376.8
- D 78.5

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7 **A rectangular box is 11 cm long, 10 cm wide and 5 cm high. Its volume, in cm³, is**

ANSWER _____

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8 **Using pi equals 3.14, the volume of a sphere with radius 9 cm, in cm³, is approximately**

- A 3052.08
- B 1017.36
- C 2289.06
- D 254.34

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9 **The volume of a rectangular prism 3 m by 4 m by 7 m, in m³, is**

ANSWER _____

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10 **Using pi equals 3.14, the surface area of a cylinder with radius 3 cm and height 3 cm, in cm², is approximately**

A 84.78

B 56.52

C 28.26

D 113.04

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ANSWER KEY

1.	54	**5.**	96	**9.**	84
2.	A	**6.**	C	**10.**	D
3.	100	**7.**	550		
4.	C	**8.**	A		

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