PRINCE EDWARD ISLAND FOUNDATIONS OF MATHEMATICS AND PRE-CALCULUS 10 · UNIT A

Measurement Systems, Surface Area and Volume — Practice Test

Prince Edward Island Foundations of Mathematics and Pre-Calculus 10 • 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 rectangular chocolate bar has length 6 centimetres and width 4 centimetres. Its area in cm² is**



ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A triangular sandwich has base 12 centimetres and height 4 centimetres. Its area in cm² is**



ANSWER

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3 **In measurement work, what is the main purpose or meaning of area?**

- A space inside a solid
- B total area of all faces
- C changing one unit to another
- D space inside a shape

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4 **In measurement work, what is the main purpose or meaning of capacity?**

- A amount of matter in an object
- B amount a container holds
- C distance from end to end
- D solid with circular ends

Understand It with Pulse | Flag a mistake

5 **In measurement work, what is the main purpose or meaning of conversion?**

A distance around a shape

B changing one unit to another

C amount a container holds

D amount of matter in an object

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6 **In measurement work, what is the main purpose or meaning of cylinder?**

A standard unit used in measurement

B space inside a shape

C space inside a solid

D solid with circular ends

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7 **In measurement work, what is the main purpose or meaning of length?**

A solid with circular ends

B distance from end to end

C standard unit used in measurement

D space inside a shape

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8 **In measurement work, what is the main purpose or meaning of mass?**

A distance from end to end

B solid with circular ends

C standard unit used in measurement

D amount of matter in an object

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9 **In measurement work, what is the main purpose or meaning of perimeter?**

A amount a container holds

B amount of matter in an object

C distance from end to end

D distance around a shape

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10 **In measurement work, what is the main purpose or meaning of SI unit?**

A space inside a shape

B standard unit used in measurement

C space inside a solid

D total area of all faces

Understand It with Pulse | Flag a mistake

11 **In measurement work, what is the main purpose or meaning of surface area?**

A changing one unit to another

B distance around a shape

C amount a container holds

D total area of all faces

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12 **In measurement work, what is the main purpose or meaning of volume?**

A total area of all faces

B space inside a solid

C changing one unit to another

D distance around a shape

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13 **In measurement work, which term matches this description: amount a container holds?**

- A capacity
- B mass
- C length
- D cylinder

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14 **In measurement work, which term matches this description: amount of matter in an object?**

- A length
- B cylinder
- C mass
- D SI unit

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15 **In measurement work, which term matches this description: changing one unit to another?**

- A perimeter
- B conversion
- C capacity
- D mass

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16 **In measurement work, which term matches this description: distance around a shape?**

- A capacity
- B mass
- C perimeter
- D length

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17 **In measurement work, which term matches this description: distance from end to end?**

A length

B cylinder

C SI unit

D area

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18 **In measurement work, which term matches this description: solid with circular ends?**

A SI unit

B area

C cylinder

D volume

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19 **In measurement work, which term matches this description: space inside a shape?**

- A volume
- B surface area
- C area
- D conversion

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20 **In measurement work, which term matches this description: space inside a solid?**

- A volume
- B surface area
- C conversion
- D perimeter

Understand It with Pulse | Flag a mistake

21 **In measurement work, which term matches this description: standard unit used in measurement?**

A SI unit

B area

C volume

D surface area

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22 **A rectangle has length 8 centimetres and width 3 centimetres. Its area in cm² is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **A triangle has base 16 centimetres and height 3 centimetres. Its area in cm² is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **A square tile has length 5 centimetres and width 5 centimetres. Its area in cm² is**



ANSWER _____

Understand It with Pulse | Flag a mistake

25 **A triangle has base 10 centimetres and height 5 centimetres. Its area in cm² is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 24
2. 24
3. D
4. B
5. B
6. D
7. B
8. D
9. D
10. B
11. D
12. B
13. A
14. C
15. B
16. C
17. A
18. C
19. C
20. A
21. A
22. 24
23. 24
24. 25
25. 25

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