SCALE MODELS, DRAWINGS, AND 3-D OBJECTS - PRACTICE TEST | NEW BRUNSWICK FINANCIAL AND WORKPLACE MATHEMATICS 120 · UNIT B · 25 QUESTIONS

Scale Models, Drawings, and 3-D Objects — 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 scale model uses a scale of 1 to 2. A model length of 5 cm represents an actual length in centimetres of**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A scale model uses a scale of 1 to 3. A model length of 4 cm represents an actual length in centimetres of**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A scale model uses a scale of 1 to 4. A model length of 6 cm represents an actual length in centimetres of**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A model car is built to a scale of 1 to 24. A model part 3 centimetres long represents a real part of, in centimetres,**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **On a model railway, 1 centimetre represents 50 centimetres. A model bridge 8 centimetres long stands for a real bridge of, in metres,**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A scale model of a house uses 1 centimetre for every 2 metres. A model wall 6 centimetres long is, in real life, in metres,**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A map uses a scale of 1 to 25000. A distance of 4 centimetres on the map is, in real life, in kilometres,**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A model plane has a wingspan of 40 centimetres at a scale of 1 to 50. The real wingspan, in metres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A drawing uses a scale of 1 to 2. An actual length of 30 cm is drawn with a length in centimetres of**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A drawing uses a scale of 1 to 4. An actual length of 40 cm is drawn with a length in centimetres of**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **A drawing uses a scale of 1 to 5. An actual length of 25 cm is drawn with a length in centimetres of**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **An actual length of 60 centimetres is drawn at a scale of 1 to 3. The drawn length, in centimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **A real room is 5 metres long. On a plan with scale 1 to 50, the room is drawn, in centimetres, as**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **A garden 12 metres wide is drawn 6 centimetres wide. The scale of the drawing is 1 to**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **A building 30 metres tall is drawn 15 centimetres tall. The scale used is 1 to**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **At a scale of 1 to 20, a real length of 100 centimetres appears on paper as, in centimetres,**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **A rectangular prism is 3 cm by 4 cm by 5 cm. Its volume in cm³ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **A rectangular prism is 2 cm by 5 cm by 6 cm. Its volume in cm³ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **A rectangular prism is 4 cm by 4 cm by 3 cm. Its volume in cm³ is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 A box is 4 centimetres by 5 centimetres by 6 centimetres. Its volume, in cm^3, is

ANSWER _____

Understand It with Pulse | Flag a mistake

21 A rectangular prism has a base area of 24 cm^2 and a height of 5 centimetres. Its volume, in cm^3, is

ANSWER _____

Understand It with Pulse | Flag a mistake

22 A fish tank is 50 centimetres long, 30 centimetres wide and 40 centimetres high. Its volume, in litres, is

ANSWER _____

Understand It with Pulse | Flag a mistake

23 A prism has volume 240 cm^3 and a base area of 30 cm^2. Its height, in centimetres, is

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **A cube has an edge of 7 centimetres. Its volume, in cm³, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **A rectangular prism is 3 cm by 4 cm by 5 cm. Its surface area in cm² is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 10
2. 12
3. 24
4. 72
5. 4
6. 12
7. 1
8. 20
9. 15
10. 10
11. 5
12. 20
13. 10
14. 200
15. 200
16. 5
17. 60
18. 60
19. 48
20. 120
21. 120
22. 60
23. 8
24. 343
25. 94

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