MANITOBA APPLIED MATHEMATICS 40S · UNIT E · 25 QUESTIONS

Design and Measurement — 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 rectangle has length 11 and width 5. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A triangle has base 6 and height 5. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Use pi equals 3.14. A circle has radius 8. Its area, to two decimal places, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A rectangular prism has length 3, width 5, and height 3. Its volume is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **On a map, 1 unit represents 10 units in real life. A map distance of 2 represents a real distance of**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **The right triangle has base 10 and height 9 as labelled. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A rectangle has length 11 and width 5. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A rectangle has length 13 and width 8. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **A triangle has base 8 and height 6. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Use pi equals 3.14. A circle has radius 9. Its area, to two decimal places, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

11 **A rectangular prism has length 4, width 7, and height 6. Its volume is**

ANSWER _____

Understand It with Pulse | Flag a mistake

12 **On a map, 1 unit represents 25 units in real life. A map distance of 5 represents a real distance of**

ANSWER _____

Understand It with Pulse | Flag a mistake

13 **The right triangle has base 12 and height 2 as labelled. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **A rectangle has length 13 and width 8. Its area is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **A rectangle has length 3 and width 2. Its perimeter is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **A triangle with all sides equal is**

A equilateral

B isosceles

C scalene

D right

Understand It with Pulse | Flag a mistake

17 **A triangle with two sides equal is**

A equilateral

B isosceles

C scalene

D obtuse

Understand It with Pulse | Flag a mistake

18 **A triangle with no sides equal is**

A isosceles

B equilateral

C scalene

D right

Understand It with Pulse | Flag a mistake

19 **The longest side of a right triangle is the**

A adjacent

B opposite

C leg

D hypotenuse

Understand It with Pulse | Flag a mistake

20 **In a right triangle, the side opposite the right angle is the**

- A hypotenuse
- B adjacent
- C opposite side
- D base

Understand It with Pulse | Flag a mistake

21 **The sum of the interior angles of a triangle is**

- A 90 degrees
- B 180 degrees
- C 270 degrees
- D 360 degrees

Understand It with Pulse | Flag a mistake

22 **The sum of the interior angles of a quadrilateral is**

A 180 degrees

B 270 degrees

C 360 degrees

D 540 degrees

Understand It with Pulse | Flag a mistake

23 **A polygon with five sides is a**

A hexagon

B octagon

C heptagon

D pentagon

Understand It with Pulse | Flag a mistake

24 **A polygon with six sides is a**

A hexagon

B pentagon

C octagon

D decagon

Understand It with Pulse | Flag a mistake

25 **A polygon with eight sides is an**

A hexagon

B octagon

C pentagon

D decagon

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	32	**10.**	254.34	**19.**	D
2.	15	**11.**	168	**20.**	A
3.	200.96	**12.**	125	**21.**	B
4.	45	**13.**	12	**22.**	C
5.	20	**14.**	104	**23.**	D
6.	45	**15.**	10	**24.**	A
7.	55	**16.**	A	**25.**	B
8.	42	**17.**	B		
9.	24	**18.**	C		

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