Angles, Parallel Lines, Polygons and Similarity — Practice Test

Saskatchewan Workplace and Apprenticeship Mathematics 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 **An angle measures 110 degrees. Its supplement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Two triangles are similar. Corresponding sides are 4 cm and 12 cm. A side of 3 cm in the first triangle corresponds to a side of length, in centimetres,**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Two angles of a triangle measure 30 degrees and 46 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 Two parallel lines are cut by a transversal. One acute angle measures 25 degrees. An alternate interior angle measures

- A 25
- B 155
- C 65
- D 115

Understand It with Pulse | Flag a mistake

5 Two triangles are similar. Corresponding sides are 3 cm and 6 cm. A side of 4 cm in the first triangle corresponds to a side of length, in centimetres,

ANSWER _____

Understand It with Pulse | Flag a mistake

6 The sum of the interior angles of a 9-sided polygon, in degrees, is

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Angles on a straight line sum to 180 degrees. If one angle is 23 degrees, the angle beside it, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **The sum of the interior angles of a 8-sided polygon, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **Two parallel lines are cut by a transversal. One acute angle measures 69 degrees. An alternate interior angle measures**

A 111

B 69

C 21

D 159

Understand It with Pulse | Flag a mistake

10 The sum of the interior angles of a 10-sided polygon, in degrees, is

ANSWER _____

Understand It with Pulse | Flag a mistake

11 Two angles of a triangle measure 39 degrees and 54 degrees. The third angle, in degrees, is

ANSWER _____

Understand It with Pulse | Flag a mistake

12 Two angles of a triangle measure 28 degrees and 36 degrees. The third angle, in degrees, is

ANSWER _____

Understand It with Pulse | Flag a mistake

13 Two triangles are similar. Corresponding sides are 5 cm and 10 cm. A side of 6 cm in the first triangle corresponds to a side of length, in centimetres,

ANSWER _____

Understand It with Pulse | Flag a mistake

14 **An angle measures 61 degrees. Its supplement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

15 **Angles on a straight line sum to 180 degrees. If one angle is 57 degrees, the angle beside it, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

16 **An angle measures 50 degrees. Its complement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

17 **Angles on a straight line sum to 180 degrees. If one angle is 52 degrees, the angle beside it, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

18 **An angle measures 143 degrees. Its supplement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

19 **Angles on a straight line sum to 180 degrees. If one angle is 33 degrees, the angle beside it, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

20 **An angle measures 28 degrees. Its complement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

21 **An angle measures 51 degrees. Its supplement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

22 **An angle measures 83 degrees. Its supplement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

23 **An angle measures 30 degrees. Its supplement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

24 **Two angles of a triangle measure 32 degrees and 64 degrees. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

25 **An angle measures 79 degrees. Its supplement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 70
2. 9
3. 104
4. A
5. 8
6. 1260
7. 157
8. 1080
9. B
10. 1440
11. 87
12. 116
13. 12
14. 119
15. 123
16. 40
17. 128
18. 37
19. 147
20. 62
21. 129
22. 97
23. 150
24. 84
25. 101

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