Angle Geometry, Trigonometry and Scale Diagrams — Practice Test

Newfoundland and Labrador Mathematics 2201 • 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 **A model is 12 cm long and represents an object 240 cm long. The scale factor, as 1 to n, has n equal to**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **Two sides measure 5 and 9 with included angle 60°. The third side, to one decimal place, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Two triangles are similar with scale factor 2. A side of length 10 in the smaller triangle has a corresponding side in the larger triangle of length**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **Two remote interior angles of a triangle measure 40° and 55°. The exterior angle at the third vertex, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **An angle measures 52°. Its complement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **An angle measures 98°. Its supplement, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **Two angles of a triangle measure 90° and 30°. The third angle, in degrees, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **In a right triangle, the hypotenuse is 16 and an acute angle is 30°. The opposite side, to one decimal place, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **On a map with scale 1 to 25000, a distance of 4 cm represents, in kilometres, a real distance of**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **Review the statement. The right triangle shown has legs 6 and 8. Its hypotenuse is**

A 14

B 12

C 10

D 48

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	20	**5.**	38	**9.**	1
2.	7.8	**6.**	82	**10.**	C
3.	20	**7.**	60		
4.	95	**8.**	8		

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