Task card 1 Unique Triangles: One, Many or No...

Two sides of a triangle are 11 cm and 14 cm. The third side is a whole number of cm. What is the shortest it can be?

Task card 2 Unique Triangles: One, Many or No...

Angles 30°, 70° and 70°. One triangle, many, or none?

Task card 3 Unique Triangles: One, Many or No...

Angles 20°, 70° and 100°. One triangle, many, or none?

Task card 4 Unique Triangles: One, Many or No...

Two sides of 12 cm and 7 cm with a 60° angle between them. One triangle, many, or none?

Task card 5 Unique Triangles: One, Many or No...

Two sides of 12 cm and 3 cm with a 115° angle between them. One triangle, many, or none?

Task card 6 Unique Triangles: One, Many or No...

Angles 60°, 15° and 105°. One triangle, many, or none?

Task card 7 Unique Triangles: One, Many or No...

Two sides of 8 cm and 6 cm with a 110° angle between them. One triangle, many, or none?

Task card 8 Unique Triangles: One, Many or No...

Angles of 40° and 90° with an 8 cm side between them. One triangle, many, or none?

Task card 9 Unique Triangles: One, Many or No...

Two sides of a triangle are 9 cm and 7 cm. The third side is a whole number of cm. What is the shortest it can be?

Task card 10 Unique Triangles: One, Many or No...

Two sides of a triangle are 9 cm and 8 cm. The third side is a whole number of cm. What is the shortest it can be?

Task card 11 Unique Triangles: One, Many or No...

Angles 30°, 60° and 90°. One triangle, many, or none?

Task card 12 Unique Triangles: One, Many or No...

Two sides of a triangle are 15 cm and 5 cm. The third side is a whole number of cm. What is the shortest it can be?

Task card 13 Unique Triangles: One, Many or No...

Two sides of a triangle are 8 cm and 6 cm. The third side is a whole number of cm. What is the shortest it can be?

Task card 14 Unique Triangles: One, Many or No...

Two sides of a triangle are 11 cm and 12 cm. The third side is a whole number of cm. What is the shortest it can be?

Task card 15 Unique Triangles: One, Many or No...

Two sides of a triangle are 12 cm and 8 cm. The third side is a whole number of cm. What is the shortest it can be?

Task card 16 Unique Triangles: One, Many or No...

Two sides of a triangle are 10 cm and 11 cm. The third side is a whole number of cm. What is the longest it can be?

Task card 17 Unique Triangles: One, Many or No...

Angles 60°, 20° and 95°. One triangle, many, or none?

Task card 18 Unique Triangles: One, Many or No...

Angles 25°, 50° and 100°. One triangle, many, or none?

Task card 19 Unique Triangles: One, Many or No...

Angles 15°, 50° and 125°. One triangle, many, or none?

Task card 20 Unique Triangles: One, Many or No...

Two sides of 10 cm and 3 cm with a 130° angle between them. One triangle, many, or none?

Task card 21 Unique Triangles: One, Many or No...

Two sides of a triangle are 8 cm and 13 cm. The third side is a whole number of cm. What is the longest it can be?

Task card 22 Unique Triangles: One, Many or No...

Angles of 90° and 45° with a 6 cm side between them. One triangle, many, or none?

Task card 23 Unique Triangles: One, Many or No...

Side lengths 4 cm, 2 cm, 3 cm. One triangle, many, or none?

Task card 24 Unique Triangles: One, Many or No...

Angles 45°, 25° and 110°. One triangle, many, or none?

Unique Triangles: One, Many or No Triangle Task Cards

Recording sheet · Grade 7 · Decide what the measurements make. Write one (exactly one triangle), many (more than one) or none (no triangle). Some questions ask for a length instead.

Scan to check your answers

Name: _____ Date: _____

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

Unique Triangles: One, Many or No Triangle Task Cards: Answer Key

Grade 7 · Hard

The answers online

1. 4	**2.** none	**3.** none
4. one	**5.** one	**6.** many
7. one	**8.** one	**9.** 3
10. 2	**11.** many	**12.** 11
13. 3	**14.** 2	**15.** 5
16. 20	**17.** none	**18.** none
19. none	**20.** one	**21.** 20
22. one	**23.** one	**24.** many