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

Two sides of 6 cm and 10 cm with a 130° angle between them. One triangle, many, or none?

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

Angles of 50° and 70° with a 12 cm side between them. One triangle, many, or none?

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

Two sides of a triangle are 5 cm and 10 cm. The third side is a whole number of cm. What is the longest it can be?

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

Angles 30°, 75° and 75°. One triangle, many, or none?

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

Angles 20°, 20° and 140°. One triangle, many, or none?

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

Angles of 100° and 50° with a 4 cm side between them. One triangle, many, or none?

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

Angles of 100° and 65° with a 4 cm side between them. One triangle, many, or none?

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

Two sides of 8 cm and 4 cm with a 30° angle between them. One triangle, many, or none?

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

Two sides of 6 cm and 9 cm with a 135° angle between them. One triangle, many, or none?

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

Angles of 50° and 90° with an 8 cm side between them. One triangle, many, or none?

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

Two sides of 9 cm and 8 cm with a 130° angle between them. One triangle, many, or none?

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

Side lengths 6 cm, 2 cm, 6 cm. One triangle, many, or none?

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

Two sides of a triangle are 3 cm and 15 cm. The third side is a whole number of cm. What is the longest it can be?

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

Angles of 45° and 90° with a 7 cm side between them. One triangle, many, or none?

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

Angles of 45° and 105° with a 12 cm side between them. One triangle, many, or none?

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

Side lengths 5 cm, 2 cm, 4 cm. One triangle, many, or none?

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

Angles 55°, 60° and 55°. One triangle, many, or none?

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

Angles of 30° and 95° with a 7 cm side between them. One triangle, many, or none?

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

Two sides of 3 cm and 6 cm with a 25° angle between them. One triangle, many, or none?

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

Two sides of 5 cm and 9 cm with a 140° angle between them. One triangle, many, or none?

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

Angles 15°, 70° and 95°. One triangle, many, or none?

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

Two sides of a triangle are 11 cm and 15 cm. The third side is a whole number of cm. What is the shortest it can be?

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

Two sides of a triangle are 9 cm and 15 cm. The third side is a whole number of cm. What is the longest it can be?

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

Side lengths 8 cm, 8 cm, 7 cm. 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 · Medium

The answers online

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