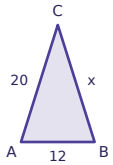
Task card 1 Triangle Inequality & Side–Angle O...

Can the lengths 3, 5, 10 be the side lengths of a triangle? Answer yes or no.

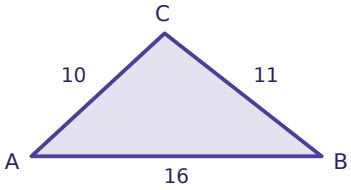
Task card 2 Triangle Inequality & Side–Angle O...

Two sides of a triangle measure 12 and 20. Write the range of possible lengths x of the third side.



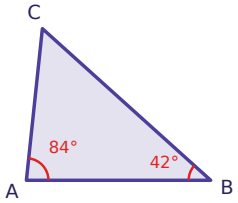
Task card 3 Triangle Inequality & Side–Angle O...

In △ABC, AB = 16, BC = 11 and AC = 10. Which angle is the smallest? Answer A, B, or C.



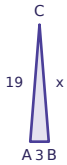
Task card 4 Triangle Inequality & Side–Angle O...

In △ABC, m∠A = 84° and m∠B = 42°. Which side is the shortest? Answer AB, BC, or AC.



Task card 5 Triangle Inequality & Side–Angle O...

Two sides of a triangle measure 3 and 19. Write the range of possible lengths x of the third side.

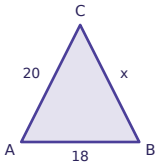


Task card 6 Triangle Inequality & Side–Angle O...

Can the lengths 12, 6, 11 be the side lengths of a triangle? Answer yes or no.

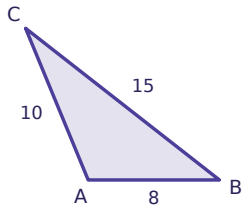
Task card 7 Triangle Inequality & Side–Angle O...

Two sides of a triangle measure 18 and 20. Write the range of possible lengths x of the third side.



Task card 8 Triangle Inequality & Side–Angle O...

In △ABC, AB = 8, BC = 15 and AC = 10. Which angle is the largest? Answer A, B, or C.

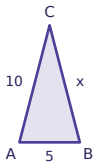


Task card 9 Triangle Inequality & Side–Angle O...

Can the lengths 14, 36, 21 be the side lengths of a triangle? Answer yes or no.

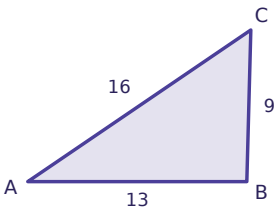
Task card 10 Triangle Inequality & Side–Angle O...

Two sides of a triangle measure 5 and 10. Write the range of possible lengths x of the third side.



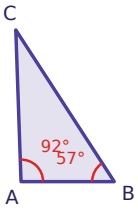
Task card 11 Triangle Inequality & Side–Angle O...

In △ABC, AB = 13, BC = 9 and AC = 16. Which angle is the largest? Answer A, B, or C.



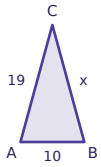
Task card 12 Triangle Inequality & Side–Angle O...

In △ABC, m∠A = 92° and m∠B = 57°. Which side is the shortest? Answer AB, BC, or AC.



Task card 13 Triangle Inequality & Side–Angle O...

Two sides of a triangle measure 10 and 19. Write the range of possible lengths x of the third side.

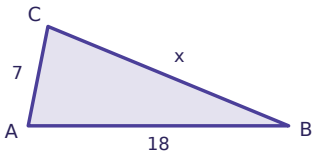


Task card 14 Triangle Inequality & Side–Angle O...

Can the lengths 7, 6, 3 be the side lengths of a triangle? Answer yes or no.

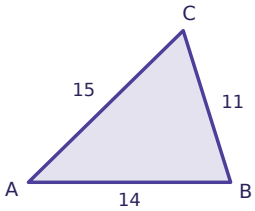
Task card 15 Triangle Inequality & Side–Angle O...

Two sides of a triangle measure 18 and 7. Write the range of possible lengths x of the third side.



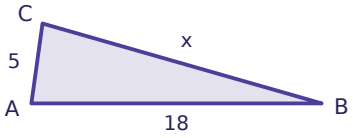
Task card 16 Triangle Inequality & Side–Angle O...

In △ABC, AB = 14, BC = 11 and AC = 15. Which angle is the largest? Answer A, B, or C.



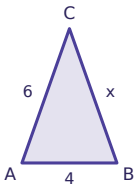
Task card 17 Triangle Inequality & Side–Angle O...

Two sides of a triangle measure 18 and 5. Write the range of possible lengths x of the third side.



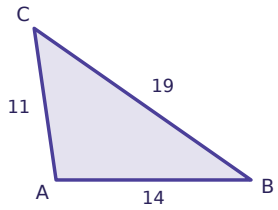
Task card 18 Triangle Inequality & Side–Angle O...

Two sides of a triangle measure 4 and 6. The third side has a whole-number length. How many different lengths are possible?



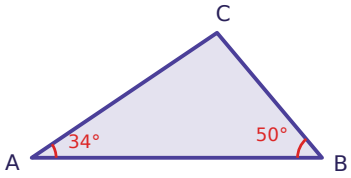
Task card 19 Triangle Inequality & Side–Angle O...

In △ABC, AB = 14, BC = 19 and AC = 11. Which angle is the largest? Answer A, B, or C.



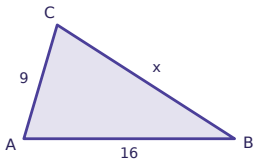
Task card 20 Triangle Inequality & Side–Angle O...

In △ABC, m∠A = 34° and m∠B = 50°. Which side is the shortest? Answer AB, BC, or AC.



Task card 21 Triangle Inequality & Side–Angle O...

Two sides of a triangle measure 16 and 9. Write the range of possible lengths x of the third side.

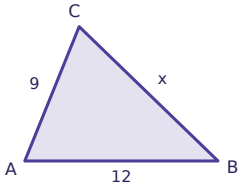


Task card 22 Triangle Inequality & Side–Angle O...

Can the lengths 2, 14, 13 be the side lengths of a triangle? Answer yes or no.

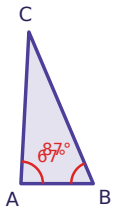
Task card 23 Triangle Inequality & Side–Angle O...

Two sides of a triangle measure 12 and 9. The third side has a whole-number length. How many different lengths are possible?



Task card 24 Triangle Inequality & Side–Angle O...

In △ABC, m∠A = 87° and m∠B = 67°. Which side is the shortest? Answer AB, BC, or AC.



Triangle Inequality & Side–Angle Order Task Cards

Recording sheet · Grade 10 · Answer yes or no, write a range like 3 < x < 11, or name the angle or side asked for.

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

Triangle Inequality & Side–Angle Order Task Cards: Answer Key

Grade 10 · Medium

The answers online

1. no	**2.** $8 < x < 32$	**3.** B
4. AC	**5.** $16 < x < 22$	**6.** yes
7. $2 < x < 38$	**8.** A	**9.** no
10. $5 < x < 15$	**11.** B	**12.** AB
13. $9 < x < 29$	**14.** yes	**15.** $11 < x < 25$
16. B	**17.** $13 < x < 23$	**18.** 7
19. A	**20.** BC	**21.** $7 < x < 25$
22. yes	**23.** 17	**24.** AB