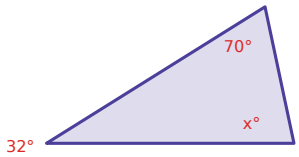
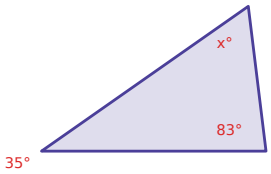
Task card 1 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 2 Triangle Angle Sum & Side Lengths

Find the value of x.

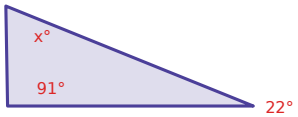


Task card 3 Triangle Angle Sum & Side Lengths

Can a triangle have sides of 8 cm, 4 cm, and 17 cm? Answer Yes or No.

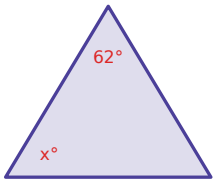
Task card 4 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 5 Triangle Angle Sum & Side Lengths

The triangle is isosceles, so its two base angles are equal. Find the value of x.



Task card 6 Triangle Angle Sum & Side Lengths

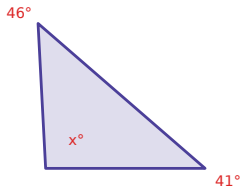
Can a triangle have sides of 5 cm, 5 cm, and 8 cm? Answer Yes or No.

Task card 7 Triangle Angle Sum & Side Lengths

Can a triangle have sides of 5 cm, 6 cm, and 16 cm? Answer Yes or No.

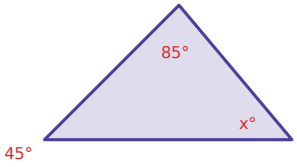
Task card 8 Triangle Angle Sum & Side Lengths

Find the value of x.



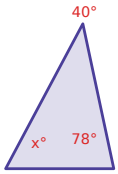
Task card 9 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 10 Triangle Angle Sum & Side Lengths

Find the value of x.

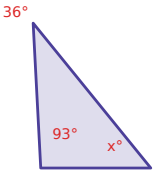


Task card 11 Triangle Angle Sum & Side Lengths

Can a triangle have sides of 17 cm, 6 cm, and 7 cm? Answer Yes or No.

Task card 12 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 13 Triangle Angle Sum & Side Lengths

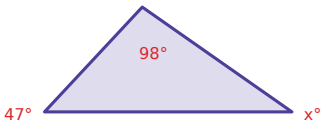
Can a triangle have sides of 5 cm, 13 cm, and 7 cm? Answer Yes or No.

Task card 14 Triangle Angle Sum & Side Lengths

Two sides of a triangle are 6 m and 3 m. The third side is a whole number of meters. What is the greatest length it could be?

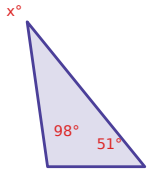
Task card 15 Triangle Angle Sum & Side Lengths

Find the value of x.



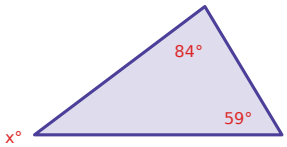
Task card 16 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 17 Triangle Angle Sum & Side Lengths

Find the value of x.

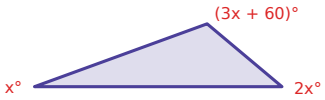


Task card 18 Triangle Angle Sum & Side Lengths

Can a triangle have sides of 12 cm, 10 cm, and 22 cm? Answer Yes or No.

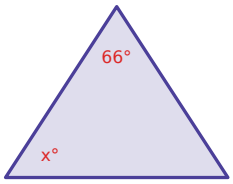
Task card 19 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 20 Triangle Angle Sum & Side Lengths

The triangle is isosceles, so its two base angles are equal. Find the value of x.



Task card 21 Triangle Angle Sum & Side Lengths

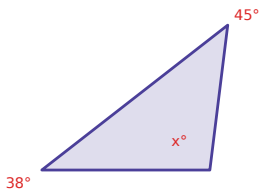
Can a triangle have sides of 15 cm, 4 cm, and 11 cm? Answer Yes or No.

Task card 22 Triangle Angle Sum & Side Lengths

Two sides of a triangle are 5 m and 7 m. The third side is a whole number of meters. What is the greatest length it could be?

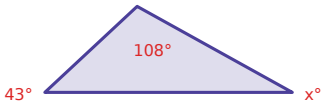
Task card 23 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 24 Triangle Angle Sum & Side Lengths

Find the value of x.



Triangle Angle Sum & Side Lengths Task Cards

Recording sheet · Grade 7 · Answer each question. The angles in a triangle add up to 180°.

Name: _____ Date: _____

Scan to check your answers

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 Angle Sum & Side Lengths Task Cards: Answer Key

Grade 7 · Easy

The answers online

1. 78	**2.** 62	**3.** No
4. 67	**5.** 59	**6.** Yes
7. No	**8.** 93	**9.** 50
10. 62	**11.** No	**12.** 51
13. No	**14.** 8	**15.** 35
16. 31	**17.** 37	**18.** No
19. 20	**20.** 57	**21.** No
22. 11	**23.** 97	**24.** 29