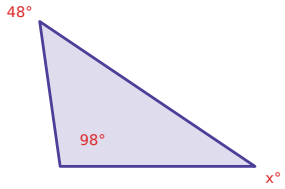
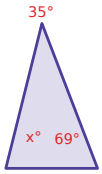
Task card 1 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 2 Triangle Angle Sum & Side Lengths

Find the value of x.

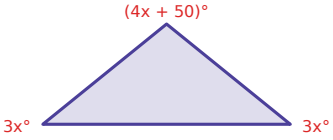


Task card 3 Triangle Angle Sum & Side Lengths

Can a triangle have sides of 7 cm, 16 cm, and 9 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

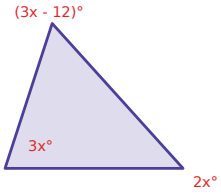
Can a triangle have sides of 8 cm, 7 cm, and 2 cm? Answer Yes or No.

Task card 7 Triangle Angle Sum & Side Lengths

Two sides of a triangle are 4 m and 14 m. The third side is a whole number of meters. What is the greatest length it could be?

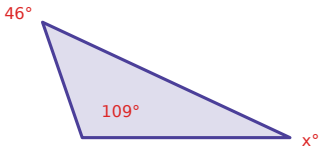
Task card 8 Triangle Angle Sum & Side Lengths

Find the value of x.



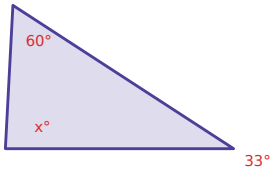
Task card 9 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 10 Triangle Angle Sum & Side Lengths

Find the value of x.

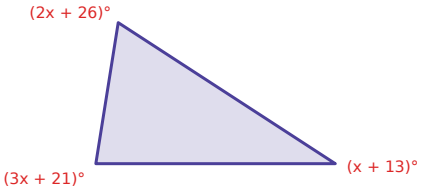


Task card 11 Triangle Angle Sum & Side Lengths

Can a triangle have sides of 3 cm, 5 cm, and 6 cm? Answer Yes or No.

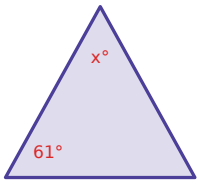
Task card 12 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 13 Triangle Angle Sum & Side Lengths

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



Task card 14 Triangle Angle Sum & Side Lengths

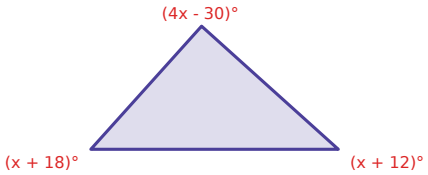
Can a triangle have sides of 14 cm, 4 cm, and 10 cm? Answer Yes or No.

Task card 15 Triangle Angle Sum & Side Lengths

Two sides of a triangle are 3 m and 13 m. The third side is a whole number of meters. What is the greatest length it could be?

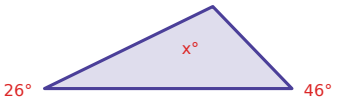
Task card 16 Triangle Angle Sum & Side Lengths

Find the value of x.



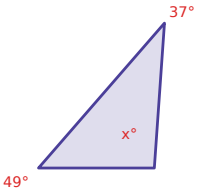
Task card 17 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 18 Triangle Angle Sum & Side Lengths

Find the value of x.

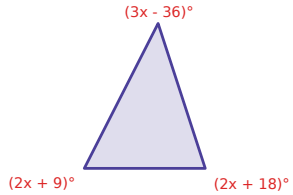


Task card 19 Triangle Angle Sum & Side Lengths

Can a triangle have sides of 17 cm, 9 cm, and 26 cm? Answer Yes or No.

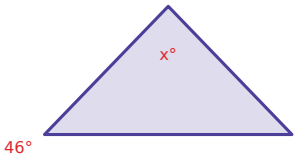
Task card 20 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 21 Triangle Angle Sum & Side Lengths

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



Task card 22 Triangle Angle Sum & Side Lengths

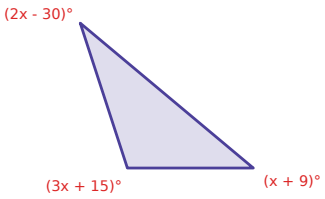
Can a triangle have sides of 13 cm, 5 cm, and 8 cm? Answer Yes or No.

Task card 23 Triangle Angle Sum & Side Lengths

Two sides of a triangle are 16 m and 20 m. The third side is a whole number of meters. What is the greatest length it could be?

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 · Medium

The answers online

1. 34	**2.** 76	**3.** No
4. 13	**5.** 24	**6.** Yes
7. 17	**8.** 24	**9.** 25
10. 87	**11.** Yes	**12.** 20
13. 58	**14.** No	**15.** 15
16. 30	**17.** 108	**18.** 94
19. No	**20.** 27	**21.** 88
22. No	**23.** 35	**24.** 31