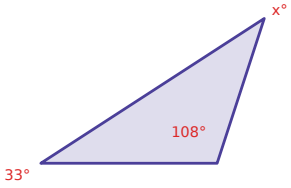
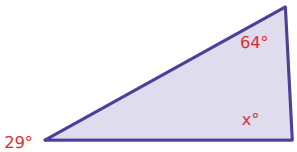
Task card 1 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 2 Triangle Angle Sum & Side Lengths

Find the value of x.

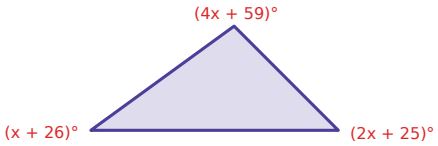


Task card 3 Triangle Angle Sum & Side Lengths

Can a triangle have sides of 8 cm, 2 cm, and 10 cm? Answer Yes or No.

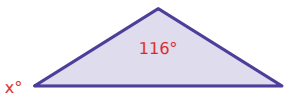
Task card 4 Triangle Angle Sum & Side Lengths

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

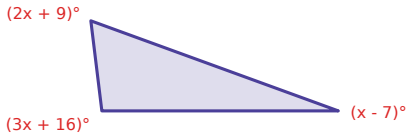
Can a triangle have sides of 6 cm, 22 cm, and 16 cm? Answer Yes or No.

Task card 7 Triangle Angle Sum & Side Lengths

Two sides of a triangle are 8 m and 21 m. The third side is a whole number of meters. What is the least length it could be?

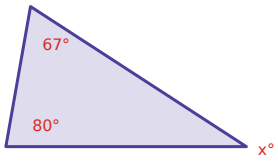
Task card 8 Triangle Angle Sum & Side Lengths

Find the value of x.



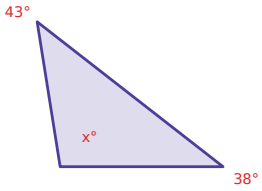
Task card 9 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 10 Triangle Angle Sum & Side Lengths

Find the value of x.

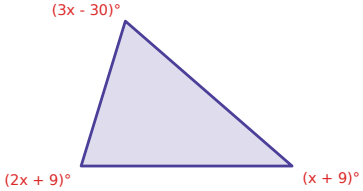


Task card 11 Triangle Angle Sum & Side Lengths

Can a triangle have sides of 10 cm, 19 cm, and 29 cm? Answer Yes or No.

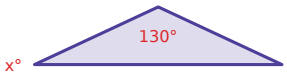
Task card 12 Triangle Angle Sum & Side Lengths

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

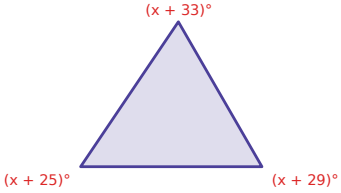
Can a triangle have sides of 19 cm, 6 cm, and 16 cm? Answer Yes or No.

Task card 15 Triangle Angle Sum & Side Lengths

Two sides of a triangle are 24 m and 25 m. The third side is a whole number of meters. What is the greatest length it could be?

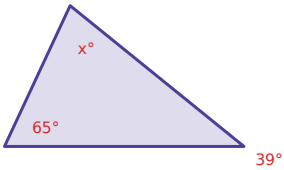
Task card 16 Triangle Angle Sum & Side Lengths

Find the value of x.



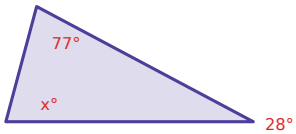
Task card 17 Triangle Angle Sum & Side Lengths

Find the value of x.



Task card 18 Triangle Angle Sum & Side Lengths

Find the value of x.

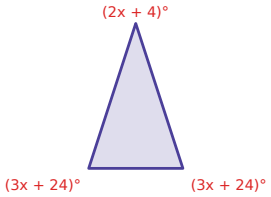


Task card 19 Triangle Angle Sum & Side Lengths

Can a triangle have sides of 9 cm, 15 cm, and 12 cm? Answer Yes or No.

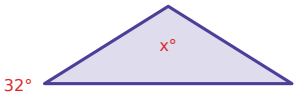
Task card 20 Triangle Angle Sum & Side Lengths

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

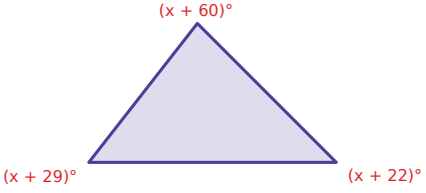
Can a triangle have sides of 14 cm, 16 cm, and 35 cm? Answer Yes or No.

Task card 23 Triangle Angle Sum & Side Lengths

Two sides of a triangle are 20 m and 10 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 · Hard

The answers online

1. 39	**2.** 87	**3.** No
4. 10	**5.** 32	**6.** No
7. 14	**8.** 27	**9.** 33
10. 99	**11.** No	**12.** 32
13. 25	**14.** Yes	**15.** 48
16. 31	**17.** 76	**18.** 75
19. Yes	**20.** 16	**21.** 116
22. No	**23.** 29	**24.** 23