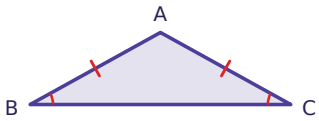
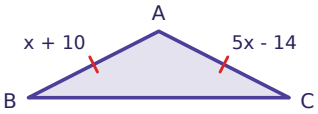
Task card 1 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (7x - 13)° and m∠C = (4x + 5)°. Find x.



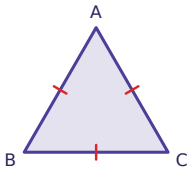
Task card 2 Isosceles & Equilateral Triangles

In △ABC, AB = AC. AB = x + 10 and AC = 5x - 14. Find x.



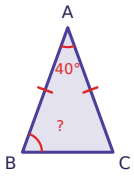
Task card 3 Isosceles & Equilateral Triangles

△ABC is equilateral and m∠B = (5x + 25)°. Find x.



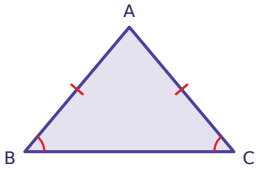
Task card 4 Isosceles & Equilateral Triangles

△ABC is isosceles with AB = AC and m∠A = 40°. Find m∠B.



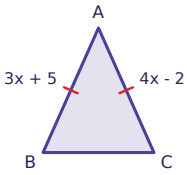
Task card 5 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (4x + 10)° and m∠C = (x + 40)°. Find x.



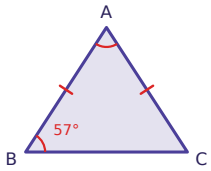
Task card 6 Isosceles & Equilateral Triangles

In △ABC, AB = AC. AB = 3x + 5 and AC = 4x - 2. Find x.



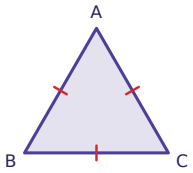
Task card 7 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠A = (7x + 24)° and m∠B = 57°. Find x.



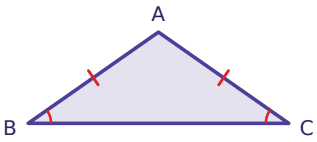
Task card 8 Isosceles & Equilateral Triangles

△ABC is equilateral and m∠B = (4x + 44)°. Find x.



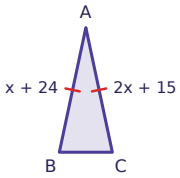
Task card 9 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (3x + 14)° and m∠C = (7x - 14)°. Find x.



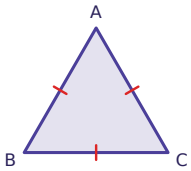
Task card 10 Isosceles & Equilateral Triangles

In △ABC, AB = AC. AB = x + 24 and AC = 2x + 15. Find x.



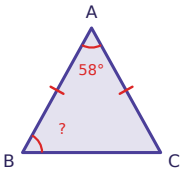
Task card 11 Isosceles & Equilateral Triangles

△ABC is equilateral and m∠B = (6x + 36)°. Find x.



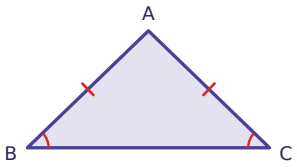
Task card 12 Isosceles & Equilateral Triangles

△ABC is isosceles with AB = AC and m∠A = 58°. Find m∠B.



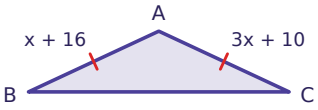
Task card 13 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (x + 35)° and m∠C = (2x + 26)°. Find x.



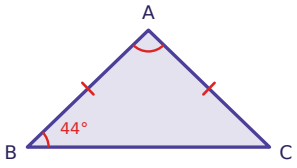
Task card 14 Isosceles & Equilateral Triangles

In △ABC, AB = AC. AB = x + 16 and AC = 3x + 10. Find x.



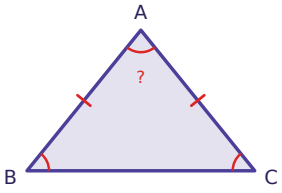
Task card 15 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠A = (13x + 14)° and m∠B = 44°. Find x.



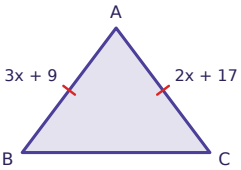
Task card 16 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (2x + 29)° and m∠C = (6x - 15)°. Find m∠A.



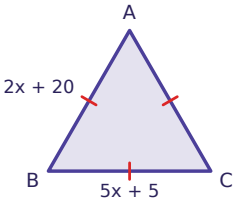
Task card 17 Isosceles & Equilateral Triangles

In △ABC, AB = AC. AB = 3x + 9 and AC = 2x + 17. Find AB.



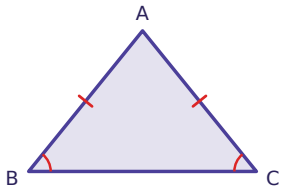
Task card 18 Isosceles & Equilateral Triangles

△ABC is equilateral with AB = 2x + 20 and BC = 5x + 5. Find the perimeter of △ABC.



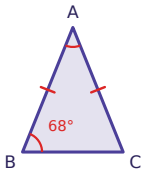
Task card 19 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (5x + 36)° and m∠C = (6x + 33)°. Find x.



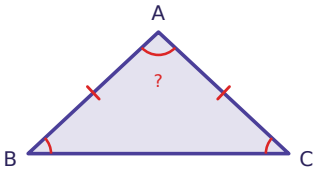
Task card 20 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠A = (2x + 38)° and m∠B = 68°. Find x.



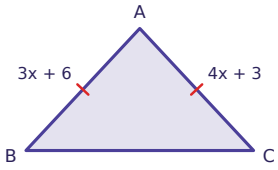
Task card 21 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (7x - 6)° and m∠C = (2x + 29)°. Find m∠A.



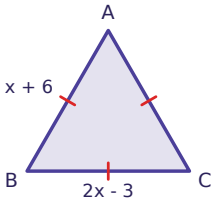
Task card 22 Isosceles & Equilateral Triangles

In △ABC, AB = AC. AB = 3x + 6 and AC = 4x + 3. Find AB.



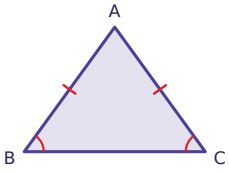
Task card 23 Isosceles & Equilateral Triangles

△ABC is equilateral with AB = x + 6 and BC = 2x - 3. Find the perimeter of △ABC.



Task card 24 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (7x - 9)° and m∠C = (2x + 36)°. Find x.



Isosceles & Equilateral Triangles Task Cards

Recording sheet · Grade 10 · Tick marks show congruent sides. Use the diagram and the given information to answer each question.

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

Isosceles & Equilateral Triangles Task Cards: Answer Key

Grade 10 · Medium

The answers online

1. 6	**2.** 6	**3.** 7
4. 70°	**5.** 10	**6.** 7
7. 6	**8.** 4	**9.** 7
10. 9	**11.** 4	**12.** 61°
13. 9	**14.** 3	**15.** 6
16. 78°	**17.** 33	**18.** 90
19. 3	**20.** 3	**21.** 94°
22. 15	**23.** 45	**24.** 9