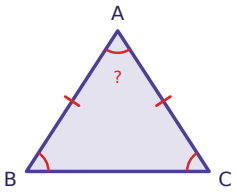
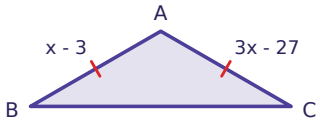
Task card 1 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (7x - 27)° and m∠C = (6x - 15)°. Find m∠A.



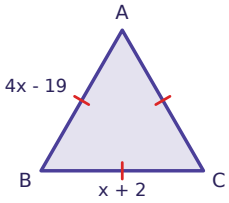
Task card 2 Isosceles & Equilateral Triangles

In △ABC, AB = AC. AB = x - 3 and AC = 3x - 27. Find AB.



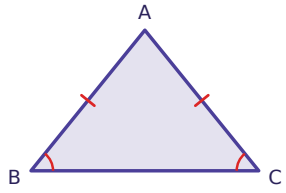
Task card 3 Isosceles & Equilateral Triangles

△ABC is equilateral with AB = 4x - 19 and BC = x + 2. Find the perimeter of △ABC.



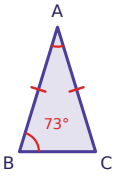
Task card 4 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (3x + 33)° and m∠C = (6x + 15)°. Find x.



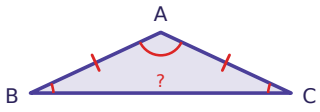
Task card 5 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠A = (5x - 26)° and m∠B = 73°. Find x.



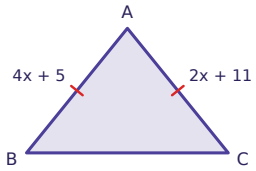
Task card 6 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (5x - 5)° and m∠C = (3x + 7)°. Find m∠A.



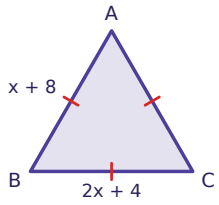
Task card 7 Isosceles & Equilateral Triangles

In △ABC, AB = AC. AB = 4x + 5 and AC = 2x + 11. Find AB.



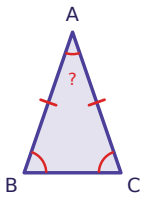
Task card 8 Isosceles & Equilateral Triangles

△ABC is equilateral with AB = x + 8 and BC = 2x + 4. Find the perimeter of △ABC.



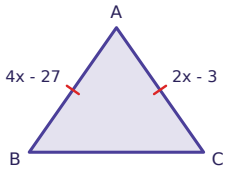
Task card 9 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (6x + 23)° and m∠C = (7x + 15)°. Find m∠A.



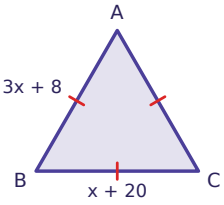
Task card 10 Isosceles & Equilateral Triangles

In △ABC, AB = AC. AB = 4x - 27 and AC = 2x - 3. Find AB.



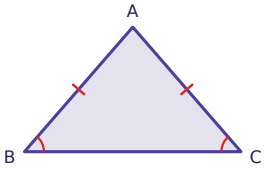
Task card 11 Isosceles & Equilateral Triangles

△ABC is equilateral with AB = 3x + 8 and BC = x + 20. Find the perimeter of △ABC.



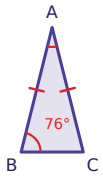
Task card 12 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (5x + 4)° and m∠C = (7x - 14)°. Find x.



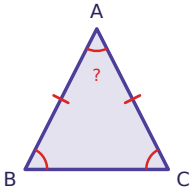
Task card 13 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠A = (5x - 12)° and m∠B = 76°. Find x.



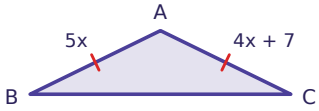
Task card 14 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (6x + 45)° and m∠C = (7x + 42)°. Find m∠A.



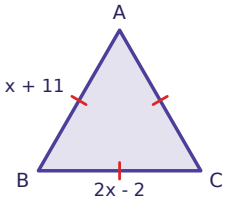
Task card 15 Isosceles & Equilateral Triangles

In △ABC, AB = AC. AB = 5x and AC = 4x + 7. Find AB.



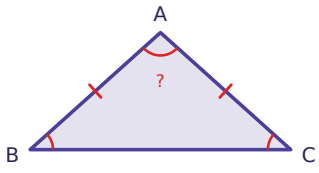
Task card 16 Isosceles & Equilateral Triangles

△ABC is equilateral with AB = x + 11 and BC = 2x - 2. Find the perimeter of △ABC.



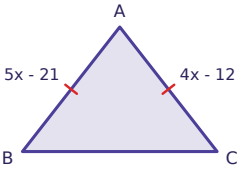
Task card 17 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (5x - 13)° and m∠C = (4x - 2)°. Find m∠A.



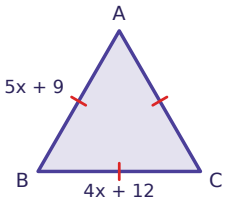
Task card 18 Isosceles & Equilateral Triangles

In △ABC, AB = AC. AB = 5x - 21 and AC = 4x - 12. Find AB.



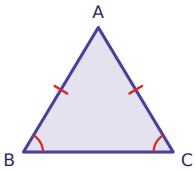
Task card 19 Isosceles & Equilateral Triangles

△ABC is equilateral with AB = 5x + 9 and BC = 4x + 12. Find the perimeter of △ABC.



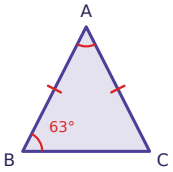
Task card 20 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (2x + 41)° and m∠C = (7x - 4)°. Find x.



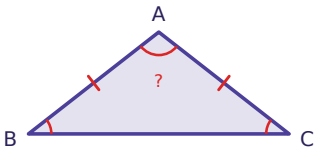
Task card 21 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠A = (4x + 30)° and m∠B = 63°. Find x.



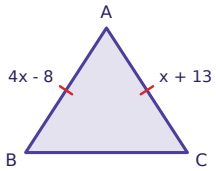
Task card 22 Isosceles & Equilateral Triangles

In isosceles △ABC, AB = AC, m∠B = (3x + 11)° and m∠C = (x + 29)°. Find m∠A.



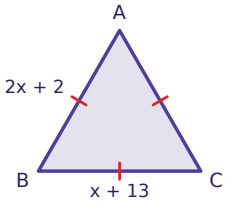
Task card 23 Isosceles & Equilateral Triangles

In △ABC, AB = AC. AB = 4x - 8 and AC = x + 13. Find AB.



Task card 24 Isosceles & Equilateral Triangles

△ABC is equilateral with AB = 2x + 2 and BC = x + 13. Find the perimeter of △ABC.



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.

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

Isosceles & Equilateral Triangles Task Cards: Answer Key

Grade 10 · Hard

The answers online

1. 66°	**2.** 9	**3.** 27
4. 6	**5.** 12	**6.** 130°
7. 17	**8.** 36	**9.** 38°
10. 21	**11.** 78	**12.** 9
13. 8	**14.** 54°	**15.** 35
16. 72	**17.** 96°	**18.** 24
19. 72	**20.** 9	**21.** 6
22. 104°	**23.** 20	**24.** 72