Task card 1 Solving Quadratic Equations by Fac...

$$x^2 - 8x - 13 = 7$$

Task card 2 Solving Quadratic Equations by Fac...

$$2x^2 + 27x + 81 = 0$$

Task card 3 Solving Quadratic Equations by Fac...

$$3x^2 - 28x + 32 = 0$$

Task card 4 Solving Quadratic Equations by Fac...

$$x^2 + 2x - 15 = 0$$

Task card 5 Solving Quadratic Equations by Fac...

$$x^2 - 13x + 38 = -4$$

Task card 6 Solving Quadratic Equations by Fac...

$$3x^2 - 16x - 64 = 0$$

Task card 7 Solving Quadratic Equations by Fac...

$$5x^2 - 28x - 49 = 0$$

Task card 8 Solving Quadratic Equations by Fac...

$$x^2 + 10x - 11 = 0$$

Task card 9 Solving Quadratic Equations by Fac...

$$x^2 - 15x + 31 = -5$$

Task card 10 Solving Quadratic Equations by Fac...

$$4x^2 - 41x + 72 = 0$$

Task card 11 Solving Quadratic Equations by Fac...

$$4x^2 + 45x + 11 = 0$$

Task card 12 Solving Quadratic Equations by Fac...

$$x^2 - x - 12 = 0$$

Task card 13 Solving Quadratic Equations by Fac...

$$x^2 - 19x + 96 = 6$$

Task card 14 Solving Quadratic Equations by Fac...

$$3x^2 - 26x + 48 = 0$$

Task card 15 Solving Quadratic Equations by Fac...

$$3x^2 - 19x + 20 = 0$$

Task card 16 Solving Quadratic Equations by Fac...

$$x^2 + 3x - 18 = 0$$

Task card 17 Solving Quadratic Equations by Fac...

$$x^2 + 6x - 31 = 9$$

Task card 18 Solving Quadratic Equations by Fac...

$$2x^2 + 15x + 25 = 0$$

Task card 19 Solving Quadratic Equations by Fac...

$$4x^2 + 7x - 2 = 0$$

Task card 20 Solving Quadratic Equations by Fac...

$$x^2 + 2x - 3 = 0$$

Task card 21 Solving Quadratic Equations by Fac...

$$x^2 + 18x + 85 = 5$$

Task card 22 Solving Quadratic Equations by Fac...

$$5x^2 - 31x - 72 = 0$$

Task card 23 Solving Quadratic Equations by Fac...

$$5x^2 + 23x - 42 = 0$$

Task card 24 Solving Quadratic Equations by Fac...

$$x^2 - 5x - 36 = 0$$

Solving Quadratic Equations by Factoring Task Cards

Recording sheet · Grade 9 · Solve each equation. Write two solutions like x = -3 or x = 5.

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

Solving Quadratic Equations by Factoring Task Cards: Answer Key

Grade 9 · Hard

The answers online

1. $x = -2$ or $x = 10$

2. $x = -9$ or $x = -\frac{9}{2}$

3. $x = \frac{4}{3}$ or $x = 8$

4. $x = -5$ or $x = 3$

5. $x = 6$ or $x = 7$

6. $x = -\frac{8}{3}$ or $x = 8$

7. $x = -\frac{7}{5}$ or $x = 7$

8. $x = -11$ or $x = 1$

9. $x = 3$ or $x = 12$

10. $x = \frac{9}{4}$ or $x = 8$

11. $x = -11$ or $x = -\frac{1}{4}$

12. $x = -3$ or $x = 4$

13. $x = 9$ or $x = 10$

14. $x = \frac{8}{3}$ or $x = 6$

15. $x = \frac{4}{3}$ or $x = 5$

16. $x = -6$ or $x = 3$

17. $x = -10$ or $x = 4$

18. $x = -5$ or $x = -\frac{5}{2}$

19. $x = -2$ or $x = \frac{1}{4}$

20. $x = -3$ or $x = 1$

21. $x = -10$ or $x = -8$

22. $x = -\frac{9}{5}$ or $x = 8$

23. $x = -6$ or $x = \frac{7}{5}$

24. $x = -4$ or $x = 9$