Task card 1 Factoring by Grouping

Factor: $2x(x - 6) - 9(x - 6)$

Task card 2 Factoring by Grouping

Factor: $x^3 + 5x^2 - 6x - 30$

Task card 3 Factoring by Grouping

Factor: $4x(x - 3) + 5(x - 3)$

Task card 4 Factoring by Grouping

Factor: $x^3 - 4x^2 - 7x + 28$

Task card 5 Factoring by Grouping

Factor: $x(x - 2) + 3(x - 2)$

Task card 6 Factoring by Grouping

Factor: $x^3 + 3x^2 - 3x - 9$

Task card 7 Factoring by Grouping

Factor: $x(x - 1) - 8(x - 1)$

Task card 8 Factoring by Grouping

Factor: $x^3 + 6x^2 - 7x - 42$

Task card 9 Factoring by Grouping

Factor: $4x(x + 9) - (x + 9)$

Task card 10 Factoring by Grouping

Factor: $x^3 + x^2 + 2x + 2$

Task card 11 Factoring by Grouping

Factor: $2x(x - 1) - 3(x - 1)$

Task card 12 Factoring by Grouping

Factor: $x^3 + 6x^2 + 5x + 30$

Task card 13 Factoring by Grouping

Factor: $x(x + 2) - 6(x + 2)$

Task card 14 Factoring by Grouping

Factor: $x^3 - x^2 - 6x + 6$

Task card 15 Factoring by Grouping

Factor: $4x(x - 2) - 9(x - 2)$

Task card 16 Factoring by Grouping

Factor: $x^3 - 3x^2 + 6x - 18$

Task card 17 Factoring by Grouping

Factor: $x^3 + 6x^2 + 7x + 42$

Task card 18 Factoring by Grouping

Factor: $x^3 - 4x^2 + 3x - 12$

Task card 19 Factoring by Grouping

Factor: $x^3 - 6x^2 + x - 6$

Task card 20 Factoring by Grouping

Factor: $x^3 + 7x^2 - 7x - 49$

Task card 21 Factoring by Grouping

Factor: $x^3 + x^2 + x + 1$

Task card 22 Factoring by Grouping

Factor: $x^3 + x^2 + 6x + 6$

Task card 23 Factoring by Grouping

Factor: $x^3 + 5x^2 + 4x + 20$

Task card 24 Factoring by Grouping

Factor: $4x(x - 4) - (x - 4)$

Factoring by Grouping Task Cards

Recording sheet · Grade 9 · Factor completely. Write the answer as a product of two binomials, like (x^2 + 3)(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

Factoring by Grouping Task Cards: Answer Key

Grade 9 · Easy

The answers online

1. $(2x - 9)(x - 6)$	**2.** $(x^2 - 6)(x + 5)$	**3.** $(4x + 5)(x - 3)$
4. $(x^2 - 7)(x - 4)$	**5.** $(x + 3)(x - 2)$	**6.** $(x^2 - 3)(x + 3)$
7. $(x - 8)(x - 1)$	**8.** $(x^2 - 7)(x + 6)$	**9.** $(4x - 1)(x + 9)$
10. $(x^2 + 2)(x + 1)$	**11.** $(2x - 3)(x - 1)$	**12.** $(x^2 + 5)(x + 6)$
13. $(x - 6)(x + 2)$	**14.** $(x^2 - 6)(x - 1)$	**15.** $(4x - 9)(x - 2)$
16. $(x^2 + 6)(x - 3)$	**17.** $(x^2 + 7)(x + 6)$	**18.** $(x^2 + 3)(x - 4)$
19. $(x^2 + 1)(x - 6)$	**20.** $(x^2 - 7)(x + 7)$	**21.** $(x^2 + 1)(x + 1)$
22. $(x^2 + 6)(x + 1)$	**23.** $(x^2 + 4)(x + 5)$	**24.** $(4x - 1)(x - 4)$