Task card 1 Factoring Out the GCF of a Polynom...

Factor: $10m^2 + 10m$

Task card 2 Factoring Out the GCF of a Polynom...

Factor: $14m^2 + 112m$

Task card 3 Factoring Out the GCF of a Polynom...

Factor: $21y^2 - 28y - 28$

Task card 4 Factoring Out the GCF of a Polynom...

Factor: $99p^2 - 11p$

Task card 5 Factoring Out the GCF of a Polynom...

Factor: $105n^2 - 15n$

Task card 6 Factoring Out the GCF of a Polynom...

Factor: $5k^2 + 30k - 10$

Task card 7 Factoring Out the GCF of a Polynom...

Factor: $28y^2 + 7y$

Task card 8 Factoring Out the GCF of a Polynom...

Factor: $5m^2 + 2m$

Task card 9 Factoring Out the GCF of a Polynom...

Factor: $36n^2 - 45n$

Task card 10 Factoring Out the GCF of a Polynom...

Factor: $39p^2 - 65p$

Task card 11 Factoring Out the GCF of a Polynom...

Factor: $8m^2 + 36m - 20$

Task card 12 Factoring Out the GCF of a Polynom...

Factor: $15n^2 - 5n$

Task card 13 Factoring Out the GCF of a Polynom...

Factor: $72x^2 + 84x$

Task card 14 Factoring Out the GCF of a Polynom...

Factor: $12p^2 + 18p - 30$

Task card 15 Factoring Out the GCF of a Polynom...

Factor: $28x^2 - 63x$

Task card 16 Factoring Out the GCF of a Polynom...

Factor: $84x^2 - 98x$

Task card 17 Factoring Out the GCF of a Polynom...

Factor: $5r^2 - 6r$

Task card 18 Factoring Out the GCF of a Polynom...

Factor: $45r^2 + 35r$

Task card 19 Factoring Out the GCF of a Polynom...

Factor: $18k^2 - 42k + 36$

Task card 20 Factoring Out the GCF of a Polynom...

Factor: $88n^2 - 11n$

Task card 21 Factoring Out the GCF of a Polynom...

Factor: $77n^2 + 22n$

Task card 22 Factoring Out the GCF of a Polynom...

Factor: $14x^2 - 4x + 8$

Task card 23 Factoring Out the GCF of a Polynom...

Factor: $30n^2 + 6n$

Task card 24 Factoring Out the GCF of a Polynom...

Factor: $70r^2 + 84r$

Factoring Out the GCF of a Polynomial Task Cards

Recording sheet · Grade 9 · Factor out the greatest common factor, like $9x^2 - 27x = 9x(x - 3)$.

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 Out the GCF of a Polynomial Task Cards: Answer Key

Grade 9 · Hard

The answers online

1. 10m(m + 1)	**2.** 14m(m + 8)	**3.** 7(3y² - 4y - 4)
4. 11p(9p - 1)	**5.** 15n(7n - 1)	**6.** 5(k² + 6k - 2)
7. 7y(4y + 1)	**8.** m(5m + 2)	**9.** 9n(4n - 5)
10. 13p(3p - 5)	**11.** 4(2m² + 9m - 5)	**12.** 5n(3n - 1)
13. 12x(6x + 7)	**14.** 6(2p² + 3p - 5)	**15.** 7x(4x - 9)
16. 14x(6x - 7)	**17.** r(5r - 6)	**18.** 5r(9r + 7)
19. 6(3k² - 7k + 6)	**20.** 11n(8n - 1)	**21.** 11n(7n + 2)
22. 2(7x² - 2x + 4)	**23.** 6n(5n + 1)	**24.** 14r(5r + 6)