Task card 1 Adding & Subtracting Rational Expr...

Subtract: $\frac{4}{x-4} - \frac{6}{x-2}$. Write the answer over the common denominator (x - 4)(x - 2) and give only the numerator.

Task card 2 Adding & Subtracting Rational Expr...

Find the least common denominator of $\frac{7}{x^2-1}$ and $\frac{8}{x-1}$. Write it in factored form.

Task card 3 Adding & Subtracting Rational Expr...

Subtract: $\frac{x}{x-7} - \frac{6}{x-1}$. Write the answer over the common denominator (x - 7)(x - 1) and give only the numerator.

Task card 4 Adding & Subtracting Rational Expr...

Add: $\frac{1}{x} + \frac{6}{x^2}$. Write the answer over the common denominator x^2 and give only the numerator.

Task card 5 Adding & Subtracting Rational Expr...

Add: $\frac{3}{x+3} + \frac{2}{x+2}$. Write the answer over the common denominator (x + 3)(x + 2) and give only the numerator.

Task card 6 Adding & Subtracting Rational Expr...

Add: $\frac{3x+6}{x-8} + \frac{3x+3}{x-8}$

Task card 7 Adding & Subtracting Rational Expr...

Subtract: $\frac{4}{x-7} - \frac{7}{x-3}$. Write the answer over the common denominator $(x - 7)(x - 3)$ and give only the numerator.

Task card 8 Adding & Subtracting Rational Expr...

Find the least common denominator of $\frac{2}{x^2 + 7x - 8}$ and $\frac{4}{x+8}$. Write it in factored form.

Task card 9 Adding & Subtracting Rational Expr...

Add: $\frac{7}{x+6} + \frac{3}{x+4}$. Write the answer over the common denominator $(x + 6)(x + 4)$ and give only the numerator.

Task card 10 Adding & Subtracting Rational Expr...

Find the least common denominator of $\frac{8}{x^2 - 2x - 35}$ and $\frac{8}{x+5}$. Write it in factored form.

Task card 11 Adding & Subtracting Rational Expr...

Add: $\frac{x}{x-2} + \frac{4}{x+5}$. Write the answer over the common denominator $(x - 2)(x + 5)$ and give only the numerator.

Task card 12 Adding & Subtracting Rational Expr...

Add: $\frac{5}{x} + \frac{4}{x^2}$. Write the answer over the common denominator x^2 and give only the numerator.

Task card 13 Adding & Subtracting Rational Expr...

Subtract: $\frac{3}{x-5} - \frac{3}{x-1}$. Write the answer over the common denominator $(x - 5)(x - 1)$ and give only the numerator.

Task card 14 Adding & Subtracting Rational Expr...

Add: $\frac{x-4}{x-7} + \frac{6x+3}{x-7}$

Task card 15 Adding & Subtracting Rational Expr...

Subtract: $\frac{1}{x-8} - \frac{5}{x+6}$. Write the answer over the common denominator $(x - 8)(x + 6)$ and give only the numerator.

Task card 16 Adding & Subtracting Rational Expr...

Find the least common denominator of $\frac{8}{x^2+4x-12}$ and $\frac{9}{x+6}$. Write it in factored form.

Task card 17 Adding & Subtracting Rational Expr...

Add: $\frac{x}{x-7} + \frac{8}{x-1}$. Write the answer over the common denominator $(x - 7)(x - 1)$ and give only the numerator.

Task card 18 Adding & Subtracting Rational Expr...

Add: $\frac{6}{x^2-16} + \frac{6}{x-4}$. Write the answer over the common denominator $(x + 4)(x - 4)$ and give only the numerator.

Task card 19 Adding & Subtracting Rational Expr...

Add and simplify fully: $\frac{4}{x + 4} + \frac{32}{x^2 - 16}$

Task card 20 Adding & Subtracting Rational Expr...

Find the least common denominator of $\frac{3}{x^2 - 49}$ and $\frac{4}{x - 7}$. Write it in factored form.

Task card 21 Adding & Subtracting Rational Expr...

Add: $\frac{1}{x - 4} + \frac{1}{x + 5}$. Write the answer over the common denominator (x - 4)(x + 5) and give only the numerator.

Task card 22 Adding & Subtracting Rational Expr...

Add: $\frac{2}{x^2 - 36} + \frac{5}{x - 6}$. Write the answer over the common denominator (x + 6)(x - 6) and give only the numerator.

Task card 23 Adding & Subtracting Rational Expr...

Add and simplify fully: $\frac{5}{x + 2} + \frac{20}{x^2 - 4}$

Task card 24 Adding & Subtracting Rational Expr...

Add: $\frac{x}{x + 1} + \frac{3}{x - 5}$. Write the answer over the common denominator (x + 1)(x - 5) and give only the numerator.

Adding & Subtracting Rational Expressions Task Cards

Recording sheet · Grade 11 · Add or subtract. Type a fraction answer with parentheses, like (2x + 3)/(x - 1). When a problem asks only for the numerator, write it in standard form, like 5x - 4.

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

Adding & Subtracting Rational Expressions Task Cards: Answer Key

Grade 11 · Medium

The answers online

1. $-2x + 16$	**2.** $(x - 1)(x + 1)$	**3.** $x^2 - 7x + 42$
4. $x + 6$	**5.** $5x + 12$	**6.** $\frac{6x + 9}{x - 8}$
7. $-3x + 37$	**8.** $(x + 8)(x - 1)$	**9.** $10x + 46$
10. $(x + 5)(x - 7)$	**11.** $x^2 + 9x - 8$	**12.** $5x + 4$
13. 12	**14.** $\frac{7x - 1}{x - 7}$	**15.** $-4x + 46$
16. $(x + 6)(x - 2)$	**17.** $x^2 + 7x - 56$	**18.** $6x + 30$
19. $\frac{4}{x - 4}$	**20.** $(x - 7)(x + 7)$	**21.** $2x + 1$
22. $5x + 32$	**23.** $\frac{5}{x - 2}$	**24.** $x^2 - 2x + 3$