Task card 1 Adding & Subtracting Rational Expr...

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

Task card 2 Adding & Subtracting Rational Expr...

Subtract: $\frac{5}{x^2 - 64} - \frac{6}{x - 8}$. Write the answer over the common denominator $(x + 8)(x - 8)$ and give only the numerator.

Task card 3 Adding & Subtracting Rational Expr...

Add and simplify fully: $\frac{5}{x + 7} + \frac{70}{x^2 - 49}$

Task card 4 Adding & Subtracting Rational Expr...

Find the least common denominator of $\frac{7}{x^2 - 25}$ and $\frac{2}{x - 5}$. Write it in factored form.

Task card 5 Adding & Subtracting Rational Expr...

Add: $\frac{2}{x - 6} + \frac{4}{x - 3}$. Write the answer over the common denominator $(x - 6)(x - 3)$ and give only the numerator.

Task card 6 Adding & Subtracting Rational Expr...

Add: $\frac{5}{x^2 - 64} + \frac{5}{x - 8}$. Write the answer over the common denominator $(x + 8)(x - 8)$ and give only the numerator.

Task card 7 Adding & Subtracting Rational Expr...

Add and simplify fully: $\frac{2}{x + 6} + \frac{24}{x^2 - 36}$

Task card 8 Adding & Subtracting Rational Expr...

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

Task card 9 Adding & Subtracting Rational Expr...

Subtract: $\frac{x}{x - 6} - \frac{8}{x - 3}$. Write the answer over the common denominator (x - 6)(x - 3) and give only the numerator.

Task card 10 Adding & Subtracting Rational Expr...

Subtract: $\frac{2}{x^2 - 64} - \frac{1}{x - 8}$. Write the answer over the common denominator (x + 8)(x - 8) and give only the numerator.

Task card 11 Adding & Subtracting Rational Expr...

Add and simplify fully: $\frac{1}{x + 3} + \frac{6}{x^2 - 9}$

Task card 12 Adding & Subtracting Rational Expr...

Find the least common denominator of $\frac{9}{x^2 + 5x + 4}$ and $\frac{5}{x + 1}$. Write it in factored form.

Task card 13 Adding & Subtracting Rational Expr...

Add: $\frac{6}{x-3} + \frac{1}{x-7}$. Write the answer over the common denominator $(x - 3)(x - 7)$ and give only the numerator.

Task card 14 Adding & Subtracting Rational Expr...

Subtract: $\frac{1}{x^2-16} - \frac{3}{x-4}$. Write the answer over the common denominator $(x + 4)(x - 4)$ and give only the numerator.

Task card 15 Adding & Subtracting Rational Expr...

Subtract and simplify fully: $\frac{2}{x-6} - \frac{24}{x^2-36}$

Task card 16 Adding & Subtracting Rational Expr...

Subtract: $\frac{x}{x-4} - \frac{5}{x+6}$. Write the answer over the common denominator $(x - 4)(x + 6)$ and give only the numerator.

Task card 17 Adding & Subtracting Rational Expr...

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

Task card 18 Adding & Subtracting Rational Expr...

Add: $\frac{4}{x^2-64} + \frac{6}{x-8}$. Write the answer over the common denominator $(x + 8)(x - 8)$ and give only the numerator.

Task card 19 Adding & Subtracting Rational Expr...

Add and simplify fully: $\frac{3}{x+4} + \frac{24}{x^2-16}$

Task card 20 Adding & Subtracting Rational Expr...

Find the least common denominator of $\frac{4}{x^2-9}$ and $\frac{5}{x+3}$. Write it in factored form.

Task card 21 Adding & Subtracting Rational Expr...

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

Task card 22 Adding & Subtracting Rational Expr...

Subtract: $\frac{10}{x^2-4} - \frac{6}{x-2}$. Write the answer over the common denominator $(x+2)(x-2)$ and give only the numerator.

Task card 23 Adding & Subtracting Rational Expr...

Add: $\frac{x}{x-2} + \frac{7}{x+8}$. Write the answer over the common denominator $(x-2)(x+8)$ and give only the numerator.

Task card 24 Adding & Subtracting Rational Expr...

Add: $\frac{x}{x+2} + \frac{6}{x-6}$. Write the answer over the common denominator $(x+2)(x-6)$ 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 · Hard

The answers online

1. $x^2 - 20$	**2.** $-6x - 43$	**3.** $\frac{5}{x - 7}$
4. $(x - 5)(x + 5)$	**5.** $6x - 30$	**6.** $5x + 45$
7. $\frac{2}{x - 6}$	**8.** $x^2 + x - 5$	**9.** $x^2 - 11x + 48$
10. $-x - 6$	**11.** $\frac{1}{x - 3}$	**12.** $(x + 1)(x + 4)$
13. $7x - 45$	**14.** $-3x - 11$	**15.** $\frac{2}{x + 6}$
16. $x^2 + x + 20$	**17.** $x^2 + 4x + 21$	**18.** $6x + 52$
19. $\frac{3}{x - 4}$	**20.** $(x + 3)(x - 3)$	**21.** $11x + 12$
22. $-6x - 2$	**23.** $x^2 + 15x - 14$	**24.** $x^2 + 12$