Task card 1 Solving Rational Equations

$$\text{Solve: } \frac{4}{x+5} = \frac{3}{x+4}$$

Task card 2 Solving Rational Equations

$$\text{Solve: } x - \frac{1}{x} = 0$$

Task card 3 Solving Rational Equations

$$\text{Solve: } \frac{x^2 + x}{x - 1} = \frac{2}{x - 1}$$

Task card 4 Solving Rational Equations

$$\text{Solve: } \frac{x}{x - 1} = \frac{1}{x - 1 + 2}$$

Task card 5 Solving Rational Equations

$$\text{Solve: } x + \frac{4}{x} = 5$$

Task card 6 Solving Rational Equations

$$\text{Solve: } \frac{4}{-x + 2} = -\frac{3}{x + 1}$$

Task card 7 Solving Rational Equations

Solve: $\frac{x^2 - 11x}{x - 4} = -\frac{28}{x - 4}$

Task card 8 Solving Rational Equations

Solve: $x - \frac{21}{x} = -4$

Task card 9 Solving Rational Equations

Solve: $x + 1 = \frac{6}{x - 1} - \frac{8}{x - 1}$

Task card 10 Solving Rational Equations

Solve: $x + \frac{30}{x} = 11$

Task card 11 Solving Rational Equations

Solve: $\frac{x^2 + 4x}{x - 3} = \frac{21}{x - 3}$

Task card 12 Solving Rational Equations

Solve: $\frac{x}{x - 1} = \frac{1}{x - 1} + 4$

Task card 13 Solving Rational Equations

Solve: $x + \frac{6}{x} = -7$

Task card 14 Solving Rational Equations

Solve: $\frac{6}{x + 2} = \frac{3}{x - 1}$

Task card 15 Solving Rational Equations

Solve: $\frac{x^2}{x + 6} = \frac{36}{x + 6}$

Task card 16 Solving Rational Equations

Solve: $\frac{6}{x} - x = -5$

Task card 17 Solving Rational Equations

Solve: $\frac{4}{-x + 2} = \frac{8}{x - 2}$

Task card 18 Solving Rational Equations

Solve: $\frac{3}{x} + x = 4$

Task card 19 Solving Rational Equations

Solve: $\frac{x^2 + 10x}{x + 4} = -\frac{24}{x + 4}$

Task card 20 Solving Rational Equations

Solve: $\frac{x}{x - 3} = \frac{3}{x - 3} - 2$

Task card 21 Solving Rational Equations

Solve: $x - \frac{35}{x} = -2$

Task card 22 Solving Rational Equations

Solve: $\frac{12}{x - 6} = \frac{3}{x + 3}$

Task card 23 Solving Rational Equations

Solve: $\frac{x^2 + x}{x + 5} = \frac{20}{x + 5}$

Task card 24 Solving Rational Equations

Solve: $x + \frac{30}{x} = -11$

Solving Rational Equations Task Cards

Recording sheet · Grade 11 · Solve and check. If there are two solutions write x = a or x = b; if nothing works write no solution.

Name: _____ Date: _____

Scan to check your answers

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 Rational Equations Task Cards: Answer Key

Grade 11 · Medium

The answers online

1. x = -1	**2.** x = 1 or x = -1	**3.** x = -2
4. no solution	**5.** x = 4 or x = 1	**6.** x = 2
7. x = 7	**8.** x = 3 or x = -7	**9.** x = -7
10. x = 6 or x = 5	**11.** x = -7	**12.** no solution
13. x = -1 or x = -6	**14.** x = 0	**15.** x = 6
16. x = 1 or x = -6	**17.** x = -6	**18.** x = 3 or x = 1
19. x = -6	**20.** no solution	**21.** x = 5 or x = -7
22. x = -6	**23.** x = 4	**24.** x = -5 or x = -6