Task card 1 Solving Rational Equations

Solve: $\frac{9}{x + 5} = \frac{3}{x - 1}$

Task card 2 Solving Rational Equations

Solve: $x + \frac{21}{x} = 10$

Task card 3 Solving Rational Equations

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

Task card 4 Solving Rational Equations

Solve: $\frac{x}{x + 5} = \frac{5}{-x + 5} - 1$

Task card 5 Solving Rational Equations

Solve: $x - \frac{18}{x} = 3$

Task card 6 Solving Rational Equations

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

Task card 7 Solving Rational Equations

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

Task card 8 Solving Rational Equations

$$\text{Solve: } x - \frac{16}{x} = 0$$

Task card 9 Solving Rational Equations

$$\text{Solve: } \frac{21}{-x - 6} = \frac{6}{x + 3}$$

Task card 10 Solving Rational Equations

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

Task card 11 Solving Rational Equations

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

Task card 12 Solving Rational Equations

$$\text{Solve: } \frac{x}{x - 7} = \frac{7}{x - 7} + 2$$

Task card 13 Solving Rational Equations

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

Task card 14 Solving Rational Equations

$$\text{Solve: } -x - 1 = -\frac{18}{21}{x - 2}$$

Task card 15 Solving Rational Equations

$$\text{Solve: } \frac{x^2 + 5x}{x + 6} = \frac{6}{x + 6}$$

Task card 16 Solving Rational Equations

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

Task card 17 Solving Rational Equations

$$\text{Solve: } \frac{16}{x + 6} = \frac{6}{x - 4}$$

Task card 18 Solving Rational Equations

$$\text{Solve: } x + \frac{21}{x} = -10$$

Task card 19 Solving Rational Equations

Solve: $\frac{x^2 - 2x}{x - 6} = \frac{24}{x - 6}$

Task card 20 Solving Rational Equations

Solve: $\frac{x}{x + 7} = -x + 7 + 3$

Task card 21 Solving Rational Equations

Solve: $-x + 1 = -\frac{3}{x - 5} - \frac{21}{x - 5}$

Task card 22 Solving Rational Equations

Solve: $\frac{x^2 - 6x}{x - 1} = \frac{5}{-x - 1}$

Task card 23 Solving Rational Equations

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

Task card 24 Solving Rational Equations

Solve: $-x - 4 = -\frac{3}{x + 2} - \frac{9}{x + 2}$

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 · Hard

The answers online

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