Task card 1 Solving Exponential & Log Equation...

Solve: $2^x = 7$

Task card 2 Solving Exponential & Log Equation...

Solve: $4^x = 125$

Task card 3 Solving Exponential & Log Equation...

Solve: $4(5)^x = 236$

Task card 4 Solving Exponential & Log Equation...

Solve: $2^x = 146$

Task card 5 Solving Exponential & Log Equation...

Solve: $2^x = 156$

Task card 6 Solving Exponential & Log Equation...

Solve: $6^x = 154$

Task card 7 Solving Exponential & Log Equation...

Solve: $9(2)^x = 171$

Task card 8 Solving Exponential & Log Equation...

Solve: $6^x = 136$

Task card 9 Solving Exponential & Log Equation...

Solve: $4^x = 159$

Task card 10 Solving Exponential & Log Equation...

Solve: $8(2)^x = 352$

Task card 11 Solving Exponential & Log Equation...

Solve: $6^{x-2} = 134$

Task card 12 Solving Exponential & Log Equation...

Solve: $e^{-x} = 0.25$

Task card 13 Solving Exponential & Log Equation...

Solve: $8(5)^x = 80$

Task card 14 Solving Exponential & Log Equation...

Solve: $\log_2(x) + \log_2(x - 14) = 5$

Task card 15 Solving Exponential & Log Equation...

Solve: $3^{x-2} = 285$

Task card 16 Solving Exponential & Log Equation...

Solve: $e^x = 7$

Task card 17 Solving Exponential & Log Equation...

Solve: $5^x = 195$

Task card 18 Solving Exponential & Log Equation...

Solve: $9(6)^x = 126$

Task card 19 Solving Exponential & Log Equation...

Solve: $7^{x+1} = 32$

Task card 20 Solving Exponential & Log Equation...

Solve: $e^{3x} = 100$

Task card 21 Solving Exponential & Log Equation...

Solve: $9(4)^x = 198$

Task card 22 Solving Exponential & Log Equation...

Solve: $\log_3(x) + \log_3(x - 6) = 3$

Task card 23 Solving Exponential & Log Equation...

Solve: $7^{x+1} = 251$

Task card 24 Solving Exponential & Log Equation...

Solve: $e^x = 12$

Solving Exponential & Log Equations with Logarithms Task Cards

Recording sheet · Grade 11 · Solve for x. Round to the nearest hundredth unless the answer is a whole number.

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

Solving Exponential & Log Equations with Logarithms Task Cards: Answer Key

Grade 11 · Easy

The answers online

1. x = 2.81	**2.** x = 3.48	**3.** x = 2.53
4. x = 7.19	**5.** x = 7.29	**6.** x = 2.81
7. x = 4.25	**8.** x = 2.74	**9.** x = 3.66
10. x = 5.46	**11.** x = 4.73	**12.** x = 1.39
13. x = 1.43	**14.** x = 16	**15.** x = 7.15
16. x = 1.95	**17.** x = 3.28	**18.** x = 1.47
19. x = 0.78	**20.** x = 1.54	**21.** x = 2.23
22. x = 9	**23.** x = 1.84	**24.** x = 2.48