Task card 1 Exponential & Logarithmic Equation...

Solve for x: $5^x = 5$

Task card 2 Exponential & Logarithmic Equation...

Solve for x: $\log_3(x) = 6$

Task card 3 Exponential & Logarithmic Equation...

Solve for x: $5^x = 25$

Task card 4 Exponential & Logarithmic Equation...

Solve for x: $\log_3(x) = 8$

Task card 5 Exponential & Logarithmic Equation...

Solve for x: $3^x = 2187$

Task card 6 Exponential & Logarithmic Equation...

Solve for x: $\log_4(x) = 3$

Task card 7 Exponential & Logarithmic Equation...

Solve for x: $2^x = 8$

Task card 8 Exponential & Logarithmic Equation...

Solve for x: $\log_4(x) = 7$

Task card 9 Exponential & Logarithmic Equation...

Solve for x: $\log_5(x) = 3$

Task card 10 Exponential & Logarithmic Equation...

Solve for x: $2^x = 4$

Task card 11 Exponential & Logarithmic Equation...

Solve for x: $\log_5(x) = 7$

Task card 12 Exponential & Logarithmic Equation...

Solve for x: $3^x = 9$

Task card 13 Exponential & Logarithmic Equation...

Solve for x: $\log_2(x) = 2$

Task card 14 Exponential & Logarithmic Equation...

Solve for x: $2^x = 2$

Task card 15 Exponential & Logarithmic Equation...

Solve for x: $\log_5(x) = 5$

Task card 16 Exponential & Logarithmic Equation...

Solve for x: $2^x = 128$

Task card 17 Exponential & Logarithmic Equation...

Solve for x: $\log_4(x) = 6$

Task card 18 Exponential & Logarithmic Equation...

Solve for x: $3^x = 729$

Task card 19 Exponential & Logarithmic Equation...

Solve for x: $\log_2(x) = 4$

Task card 20 Exponential & Logarithmic Equation...

Solve for x: $5^x = 625$

Task card 21 Exponential & Logarithmic Equation...

Solve for x: $\log_4(x) = 2$

Task card 22 Exponential & Logarithmic Equation...

Solve for x: $2^x = 256$

Task card 23 Exponential & Logarithmic Equation...

Solve for x: $\log_4(x) = 8$

Task card 24 Exponential & Logarithmic Equation...

Solve for x: $4^x = 16384$

Exponential & Logarithmic Equations Task Cards

Recording sheet · Grade 11 · Solve for x.

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

Exponential & Logarithmic Equations Task Cards: Answer Key

Grade 11 · Hard

The answers online

1. 1	**2.** 729	**3.** 2
4. 6561	**5.** 7	**6.** 64
7. 3	**8.** 16384	**9.** 125
10. 2	**11.** 78125	**12.** 2
13. 4	**14.** 1	**15.** 3125
16. 7	**17.** 4096	**18.** 6
19. 16	**20.** 4	**21.** 16
22. 8	**23.** 65536	**24.** 7