Task card 1 Cube Roots of Perfect Cubes

Solve: $x^3 = 27$

Task card 2 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{-343}$

Task card 3 Cube Roots of Perfect Cubes

Solve: $x^3 = 343$

Task card 4 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{-216}$

Task card 5 Cube Roots of Perfect Cubes

Solve: $x^3 = 216$

Task card 6 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{729}$

Task card 7 Cube Roots of Perfect Cubes

Solve: $x^3 = -343$

Task card 8 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{(-512)}$

Task card 9 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{(-27000)}$

Task card 10 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{(-8)}$

Task card 11 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{(-2197)}$

Task card 12 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{8}$

Task card 13 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{2197}$

Task card 14 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{512}$

Task card 15 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{27000}$

Task card 16 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{(-1)}$

Task card 17 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{1728}$

Task card 18 Cube Roots of Perfect Cubes

Solve: $x^3 = -729$

Task card 19 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{(-64000)}$

Task card 20 Cube Roots of Perfect Cubes

Solve: $x^3 = -216$

Task card 21 Cube Roots of Perfect Cubes

Evaluate: $\sqrt[3]{(-3375)}$

Task card 22 Cube Roots of Perfect Cubes

Solve: $x^3 = -1$

Task card 23 Cube Roots of Perfect Cubes

Solve: $x^3 = 1000$

Task card 24 Cube Roots of Perfect Cubes

Solve: $x^3 = -512$

Cube Roots of Perfect Cubes Task Cards

Recording sheet · Grade 8 · Evaluate each cube root. For x^3 = p, give the one solution, like x = -2.

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

Cube Roots of Perfect Cubes Task Cards: Answer Key

Grade 8 · Medium

The answers online

1. x = 3	**2.** -7	**3.** x = 7
4. -6	**5.** x = 6	**6.** 9
7. x = -7	**8.** -8	**9.** -30
10. -2	**11.** -13	**12.** 2
13. 13	**14.** 8	**15.** 30
16. -1	**17.** 12	**18.** x = -9
19. -40	**20.** x = -6	**21.** -15
22. x = -1	**23.** x = 10	**24.** x = -8