**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 |