GRADE 8 MATH · HOMEWORK

Solve Equations Involving Perfect Cubes

SCORE / 25

01 Part A · Practice

To solve $x^3 = p$, take the cube root of both sides: $x = \sqrt[3]{p}$ (exactly one real solution).

1 ●○○ Solve $x^3 = 27$.

2 ●○○ Solve $x^3 - 82 = 134$.

3 ●○○ Solve $4y^3 = 108$.

4 ●○○ Solve $7a^3 = 56$.

5 ●○○ Solve $p^3 + 97 = 96$.

6 ●○○ Solve $p^3 = 343$.

7 ●○○ Solve $2a^3 = 1024$.

8 ●○○ Solve $p^3 - 34 = 309$.

9 ●○○ Solve $k^3 = \frac{1}{64}$.

10 ●○○ Solve $x^3 = 1331$.

11 ●○○ Solve $7k^3 = 189$.

12 ●○○ Solve $y^3 + 95 = 68$.

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Preview - the full worksheet and its answer key are at primeworksheet.com