GRADE 8 MATH · HOMEWORK

Estimate Very Small Quantities

SCORE / 25

01 Part A · Practice

Round a small decimal to its first nonzero digit, then write it as a single digit times a negative power of 10.

1 ●○○ Estimate 0.00000288 as a single digit times a power of 10.

2 ●○○ Which is the best estimate of 0.0006955?
7×10^{-5}, 7×10^{-4}, 7×10^{4}, 7×10^{-3}

3 ●○○ Write 2×10^{-6} as a decimal.

4 ●○○ Which is the best estimate of 0.00175?
2×10^{3}, 2×10^{-3}, 2×10^{-2}, 2×10^{-4}

5 ●○○ Estimate 0.00004041 as a single digit times a power of 10.

6 ●○○ Write 4×10^{-1} as a decimal.

7 ●○○ Write an estimate of 0.0000008957 in the form $a \times 10^{n}$.

8 ●○○ Write 7×10^{-1} as a decimal.

9 ●○○ Which is the best estimate of 0.000000722?
7×10^{-6}, 7×10^{-8}, 7×10^{7}, 7×10^{-7}

10 ●○○ Which is the best estimate of 0.00004804?
5×10^{-4}, 5×10^{-6}, 5×10^{-5}, 5×10^{5}

© 2026 Math Teacher Prints · 1-8b Homework · Regular

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