Math Practice - Grade 8

M2 Exponents, roots, scientific notation

M2 8.EE.A.1, 8.EE.A.2, 8.EE.A.3, 8.EE.A.4

Name: _____ Date: _____

Simplify a power of a power, a product of powers, or a quotient of powers. Find square roots and cube roots. Write a number in scientific notation and back. Add, subtract, multiply, and divide numbers in scientific notation.

1 **Simplify $2^3 \times 2^0$.**

$2^3 \times 2^0 =$ ☐

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2 **Find the cube root of 512.**

Cube root of 512 = ☐

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3 **Write 9.4×10^5 as an ordinary number.**

$9.4 \times 10^5 =$ ☐

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Name: _____ Date: _____

Simplify a power of a power, a product of powers, or a quotient of powers. Find square roots and cube roots. Write a number in scientific notation and back. Add, subtract, multiply, and divide numbers in scientific notation.

1 **Simplify $4^{-2} / 4^{-3}$.**

$$4^{-2} / 4^{-3} = \square$$

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2 **Find the cube root of 216.**

$$\text{Cube root of } 216 = \square$$

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3 **Write 0.065 in scientific notation.**

$$0.065 = \square$$

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Name: _____ Date: _____

Simplify a power of a power, a product of powers, or a quotient of powers. Find square roots and cube roots. Write a number in scientific notation and back. Add, subtract, multiply, and divide numbers in scientific notation.

1 **Simplify $3^{-2} \times 3^{-1}$.**

$3^{-2} \times 3^{-1} =$ ☐

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2 **Find the square root of 64.**

Square root of 64 = ☐

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3 **Write 0.51 in scientific notation.**

0.51 = ☐