Math Practice - Grade 8

M2 Exponents, roots, scientific notation - Write in scientific notation and back

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

Name: _____ Date: _____

Write the number in scientific notation, or as an ordinary number. Write the answer in the box.

Example: Write 8.5×10^5 as an ordinary number.

How: Scientific notation is a number from 1 to 10 times a power of 10. Move the decimal point to make the first part, and count the moves for the exponent.

$8.5 \times 10^5 =$ 850000

1 **Write 390 in scientific notation.**

$390 =$ ☐

2 **Write 7.9×10^1 as an ordinary number.**

$7.9 \times 10^1 =$ ☐

3 **Write 0.0099 in scientific notation.**

$0.0099 =$ ☐

4 **Write 900000 in scientific notation.**

$900000 =$ ☐

5 **Write 6.9×10^{-1} as an ordinary number.**

$6.9 \times 10^{-1} =$ ☐

6 **Write 48000 in scientific notation.**

$48000 =$ ☐

7 **Write 0.044 in scientific notation.**

$0.044 =$ ☐

8 **Write 7.4×10^6 as an ordinary number.**

$7.4 \times 10^6 =$ ☐

9 **Write 72 in scientific notation.**

$72 =$ ☐

10 **Write 6.6×10^7 as an ordinary number.**

$6.6 \times 10^7 =$ ☐

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

Name: _____ Date: _____

Write the number in scientific notation, or as an ordinary number. Write the answer in the box.

Example: Write 60000000 in scientific notation.

How: Scientific notation is a number from 1 to 10 times a power of 10. Move the decimal point to make the first part, and count the moves for the exponent.

$60000000 =$ 6×10^{7}

1 **Write 5.8×10^{-3} as an ordinary number.**

$5.8 \times 10^{-3} =$ ☐

2 **Write 53 in scientific notation.**

$53 =$ ☐

3 **Write 11000 in scientific notation.**

$11000 =$ ☐

4 **Write 5.4×10^{6} as an ordinary number.**

$5.4 \times 10^{6} =$ ☐

5 **Write 4.3×10^{7} as an ordinary number.**

$4.3 \times 10^{7} =$ ☐

6 **Write 6×10^{3} as an ordinary number.**

$6 \times 10^{3} =$ ☐

7 **Write 4×10^{-2} as an ordinary number.**

$4 \times 10^{-2} =$ ☐

8 **Write 3.9×10^{5} as an ordinary number.**

$3.9 \times 10^{5} =$ ☐

9 **Write 7.3×10^{1} as an ordinary number.**

$7.3 \times 10^{1} =$ ☐

10 **Write 4.4×10^{6} as an ordinary number.**

$4.4 \times 10^{6} =$ ☐

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

Name: _____ Date: _____

Write the number in scientific notation, or as an ordinary number. Write the answer in the box.

Example: Write 7.9×10^1 as an ordinary number.

How: Scientific notation is a number from 1 to 10 times a power of 10. Move the decimal point to make the first part, and count the moves for the exponent.

$7.9 \times 10^1 =$ 79

1 **Write 75000000 in scientific notation.**

$75000000 =$ ☐

2 **Write 5.9×10^0 as an ordinary number.**

$5.9 \times 10^0 =$ ☐

3 **Write 4.1×10^1 as an ordinary number.**

$4.1 \times 10^1 =$ ☐

4 **Write 0.0021 in scientific notation.**

$0.0021 =$ ☐

5 **Write 9.6×10^2 as an ordinary number.**

$9.6 \times 10^2 =$ ☐

6 **Write 0.069 in scientific notation.**

$0.069 =$ ☐

7 **Write 5.3×10^{-3} as an ordinary number.**

$5.3 \times 10^{-3} =$ ☐

8 **Write 7.1×10^{-1} as an ordinary number.**

$7.1 \times 10^{-1} =$ ☐

9 **Write 0.71 in scientific notation.**

$0.71 =$ ☐

10 **Write 7.5×10^3 as an ordinary number.**

$7.5 \times 10^3 =$ ☐