

Number Sense

Scientific Notation




1,989,000,000,000,000,000,000,000 kg

1.989×10^{30} kg

Factor: $> 1, < 10$ times a power of 10

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1,989,000,000,000,000,000,000,000 kg

42,000,000
VVVVVVVV

$= 4.2 \times 10^7$

1.989×10^{30}

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42,000,000
 4.20000000000
 = 4.2×10^7

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Scientific Notation

$1.67 \times 10^{-27} \text{ kg}$
 .0000000000000000000000000000167

1.32×10^{-6}
 .00000132

Scientific Notation

$(2 \times 10^3) \times (3 \times 10^2)$
 $= 2 \times 3 \times 10^3 \times 10^2$
 $= 6 \times 10^{3+2}$
 $= 6 \times 10^5$

Scientific Notation


Scientific Notation

YOU TRY IT

Hit your Pause Key, try the problem, then hit your Forward Key to move to the answer.

Write in Scientific Notation form: 1,362,000,000

You try it!




Scientific Notation

YOU TRY IT

1.362×10^9

Write in Scientific Notation form: 1,362,000,000

You try it!



Scientific Notation

YOU TRY IT

Hit your Pause Key, try the problem, then hit your Forward Key to move to the answer.

Write in Standard form: 3.45×10^{-6}

You try it!



Scientific Notation YOU TRY IT

.00000345

Write in Standard form: 3.45×10^{-6}

You try it!




Scientific Notation YOU TRY IT

Hit your Pause Key, try the problem, then hit your Forward Key to move to the answer.

Find $(5 \times 10^3) \times (3 \times 10^5)$, and write your answer in Scientific Notation

You try it!



Scientific Notation YOU TRY IT

$5 \times 3 \times 10^3 \times 10^5 = 15 \times 10^8$

Find $(5 \times 10^3) \times (3 \times 10^5)$, and write your answer in Scientific Notation

You try it!

$= 1.5 \times 10^9$

