



## Standard Form to Scientific Notation

**TICKET IN:** How can you take a number written in standard form and write it in scientific notation?

**Brain-warmers** Solve the following equations.



1.  $\sqrt[3]{216}$

2.  $\sqrt[3]{512}$

3.  $\sqrt[3]{27}$

**Objective: write number in scientific notation EE3**

**Problem #1 – Teacher model**

67,900,000

\_\_ . \_\_ \_\_ x 10

- Find significant numbers (zeros are non-significant)
- Write in decimal form that is greater than 1 but less than 10
- Count the number of decimals places you moved and write in exponential notation

Check:  $6.79 \times 10^6$

**Problem #2 – We do together**

27,000

Check:

**Problem #3 – I do with a partner**

3,250,000

Check:

**Problem #4 – I do on my own**

567,000,000

Check:

Partner's Name: \_\_\_\_\_

On a scale of 1-5, how well did my **partner** do?

Need Help! **1**    **2**    **3**    **4**    **5** Good job!

Explain which step(s) your buddy needs to revise or step(s) your buddy did exceptionally well.

# Standard Form to Scientific Notation



Objective: write numbers in scientific notation EE3

## Problem #1 – Teacher model

.0000021

\_. \_ x 10<sup>-6</sup>

- Find significant numbers (zeros are non-significant)
- Write in decimal form that is greater than 1 but less than 10
- Count the number of decimals places you moved and write in exponential notation

Check:  $2.1 \times 10^{-6}$

## Problem #2 – We do together

.000352

Check:

## Problem #3 – I do with a partner

.0000000082

Check:

Partner's Name: \_\_\_\_\_

On a scale of 1-5, how well did my **partner** do?

Need Help! **1**    **2**    **3**    **4**    **5** Good job!

Explain which step(s) your buddy needs to revise or step(s) your buddy did exceptionally well.

## Problem #4 – I do on my own

.00049

Check:

## TICKET OUT:

How can you take a number written in standard form and write it in scientific notation?