

# Scientific Notation Day 4

- ✓ 8.EE.3 Recognize and use scientific notation.

# Agenda

## Homework

- Adding/Subtracting Scientific Notation Worksheet
- CN Summary
- AM

## Materials

- Math Notebook

## DO NOW

1. Take out homework
2. On your DESK:  
Convert the following by filling in the blanks:

①  $482 \times 10^6$   
 $4.82 \times 10^{\square}$

②  $1.31 \times 10^5$   
 $\square \times 10^3$

# Do Now



①  $482 \times 10^6$   
 $4.82 \times 10^{\square}$

②  $1.31 \times 10^5$   
 $\square \times 10^3$

# Homework Review

[Moving the Decimal WS](#)



# Set up Cornell Notes

- **Topic:** Scientific Notation – Adding & Subtracting
- **EQ:** How do you add and subtract numbers written in Scientific Notation?

Update Table of Contents:

11/12/15 (Pd 4)	Scientific Notation – Adding & Subtracting
11/13/15 (Pd 1&2)	



# Solve $1.31 \times 10^5 + 4.27 \times 10^3$

1. Make sure both numbers have the SAME power of 10

$$1.31 \times 10^5$$



$$1.3.1 \times 10^3$$





Solve 131.  $\times 10^3$  + 4.27  $\times 10^3$

2. Add or subtract the DECIMAL parts ONLY

$$\begin{array}{r} 131. \quad \times 10^3 \\ + \quad 4.27 \times 10^3 \\ \hline 135.27 \end{array}$$



Solve 131.  $\times 10^3$  + 4.27  $\times 10^3$

3. KEEP the power of 10 the same

$$\begin{array}{r} 131. \quad \times 10^3 \\ + \quad 4.27 \times 10^3 \\ \hline 135.27 \times 10^3 \end{array}$$





Solve 131.  $\times 10^3$  + 4.27  $\times 10^3$

4. If the answer is not in Scientific Notation,  
CONVERT it

$135.27 \times 10^3 \rightarrow 13.527 \times 10^5$





Solve 131.  $\times 10^3$  + 4.27  $\times 10^3$

ANSWER:

**1.3527  $\times 10^5$**

Recap: What are the steps to adding/  
subtracting numbers in scientific notation?

1. Make sure both numbers have the SAME power of 10
2. Add or subtract the DECIMAL parts ONLY
3. KEEP the power of 10 the same
4. If the answer is not in Scientific Notation, CONVERT it