

READY... SET...  
ACE IT!



# Scientific Notation

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## 2. Big to Small Do it All!

Examples:

Scientific Notation	Standard Notation
$3.25 \times 10^0$	3.25
$7.12 \times 10^{-3}$	0.00712

Evaluate

Show in Scientific Notation

- $1.02 \times 10^5 = 102\ 000$
- $9.7 \times 10^9 = 9\ 700\ 000\ 000$
- $5.43 \times 10^7 = 54\ 300\ 000$
- $7.152 \times 10^6 = 7\ 152\ 000$
- $8.27 \times 10^8 = 827\ 000\ 000$

- $734\ 200 = 7.342 \times 10^5$
- $91\ 400 = 9.14 \times 10^4$
- $10\ 000\ 000 = 1 \times 10^7$
- $5\ 460 = 5.46 \times 10^3$
- $635\ 200 = 6.352 \times 10^5$

Evaluate

Show in Scientific Notation

- $7.362 \times 10^0 = 7.362$
- $8.4 \times 10^0 = 8.4$
- $6.573 \times 10^0 = 6.573$
- $2.58 \times 10^0 = 2.58$
- $1.75 \times 10^0 = 1.75$

- $7.451 = 7.451 \times 10^0$
- $2.15 = 2.15 \times 10^0$
- $3.385 = 3.385 \times 10^0$
- $5.679 = 5.679 \times 10^0$
- $4.7 = 4.7 \times 10^0$

Evaluate

Show in Scientific Notation

- $4.8 \times 10^{-2} = 0.048$
- $7 \times 10^{-3} = 0.007$
- $8.53 \times 10^{-4} = 0.000853$
- $6.85 \times 10^{-5} = 0.0000685$
- $4.21 \times 10^{-3} = 0.00421$

- $0.00062 = 6.2 \times 10^{-4}$
- $0.049 = 4.9 \times 10^{-2}$
- $0.000015 = 1.5 \times 10^{-5}$
- $0.057 = 5.7 \times 10^{-2}$
- $0.000009038 = 9.038 \times 10^{-6}$