

NAME \_\_\_\_\_

DATE \_\_\_\_\_

SCIENTIFIC NOTATION: Worksheet 1

Change each standard number to scientific notation.

- 1) 3,700,000
- 2) 141,000,000,000,000
- 3) 9,000
- 4) 1,760,000,000

Change each to a standard number.

- 5)  $4.8 \times 10^4$
- 6)  $8.33 \times 10^7$
- 7)  $8.2 \times 10^2$
- 8)  $5 \times 10^{11}$

***Move the decimal point to the left when the exponent is negative.***

Change to a standard number.

- 9)  $3.16 \times 10^{-3}$

Change to scientific notation.

- 10) .000017

KEY

SCIENTIFIC NOTATION: Worksheet 1

Change each standard number to scientific notation.

- |                        |                       |
|------------------------|-----------------------|
| 1) 3,700,000           | $3.7 \times 10^6$     |
| 2) 141,000,000,000,000 | $1.41 \times 10^{14}$ |
| 3) 9,000               | $9 \times 10^3$       |
| 4) 1,760,000,000       | $1.76 \times 10^9$    |

Change each to a standard number.

- |                       |                 |
|-----------------------|-----------------|
| 5) $4.8 \times 10^4$  | 48,000          |
| 6) $8.33 \times 10^7$ | 83,300,000      |
| 7) $8.2 \times 10^2$  | 820             |
| 8) $5 \times 10^{11}$ | 500,000,000,000 |

*Move the decimal point to the left when the exponent is negative.*

Change to a standard number.

- |                          |        |
|--------------------------|--------|
| 9) $3.16 \times 10^{-3}$ | .00316 |
|--------------------------|--------|

Change to scientific notation.

- |             |                      |
|-------------|----------------------|
| 10) .000017 | $1.7 \times 10^{-5}$ |
|-------------|----------------------|