



USE WHAT YOU
LEARNED IN THE VIDEO

Scientific Notation

Name: _____

Date: _____

Examples:

Scientific Notation	Standard Notation
3.25×10^4	32 500
7.142×10^5	714 200

1. Large Values

Write in Scientific Notation

1. $14\ 000 = 1.4 \times 10^4$

2. $23\ 000 = 2.3 \times 10^4$

3. $37\ 600 = 3.76 \times 10^4$

4. $89\ 250 = 8.925 \times 10^4$

5. $145\ 700 = 1.457 \times 10^5$

6. $268\ 300 = 2.683 \times 10^5$

7. $856\ 000 = 8.56 \times 10^5$

8. $2\ 742\ 000 = 2.742 \times 10^6$

Write in Standard Notation

NOTE: The exponent tells you how many decimal figures you need before you start to move the decimal point.

9. $4.15 \times 10^5 = 415\ 000$

10. $2.473 \times 10^6 = 2\ 473\ 000$

11. $6.12 \times 10^7 = 61\ 200\ 000$

12. $8.923 \times 10^4 = 89\ 230$

13. $8.25 \times 10^4 = 82\ 500$

14. $3.34 \times 10^6 = 3\ 340\ 000$

15. $7.562 \times 10^6 = 7\ 562\ 000$

16. $5.367 \times 10^6 = 5\ 367\ 000$

How big is it?

17. The circumference of the Earth, measured at the Equator is 40 075km. Express this in Scientific Notation.

$40\ 075 = 4.0075 \times 10^4$ km

18. The circumference of the Moon is 10 921km. Express this in Scientific Notation.

$10\ 921 = 1.0921 \times 10^4$ km