8.5 Scientific Notation

March 06, 2007

Scientific Notation:

is in the Form

$C \times 10^n$

where

$C \Rightarrow 1 \leq C < 10$

C, must be greater than or equal to 1 But less than 10.

$n \Rightarrow$ is an Integer

$\{\ldots, -3, -2, -1, 0, 1, 2, 3, \ldots\}$

S.N. to Value (#)

$2.83 \times 10^{1} = 2.83 \otimes 10 = 28.3$

$4.9 \times 10^{5} = 4.9 \otimes 100{,}000 = 490{,}000$

$8. \times 10^{-1} = \frac{8}{1} \otimes \frac{1}{10} = \frac{8}{10} = .8$

$1.23 \times 10^{-3} = 1.23 \otimes \frac{1}{1000} =$

$.00123$

tenths
hundredths
thousandths

Positive Exponents Move the decimal to the Right

Negative Exponents Move the decimal to the Left.

$1.2 \times 10^{3} = 1200$

$4.75 \times 10^{0} = 4.75 \times 1 = 4.75$

$5.6 \times 10^{-1} = .56$

O.T.L.

yesterday

① pg 469: Checkpoint at the Bottom 1-6 all

② pg 472: 20-31 all

Square Roots + Squaring

$1^2 = 1$
$2^2 = 4$
$3^2 = 9$
$4^2 = 16$
$5^2 = 25$
$6^2 = 36$
$7^2 = 49$
$8^2 = 64$
$9^2 = 81$
$10^2 = 100$
$11^2 = 121$
$12^2 = 144$
$13^2 = 169$
$14^2 = 196$
$15^2 = 225$
$* 16^2 = 256$
$* 17^2 = 289$
$* 18^2 = 324$
$* 19^2 = 361$
$20^2 = 400$

20 problems
45 seconds
once a week !!
220 pts

$\sqrt{1} = 1$

$\sqrt{4} = 2$

$\sqrt{9} = 3$

$\sqrt{16} = 4$

$\sqrt{25} = 5$

$\sqrt{36} = 6$

$\sqrt{49} = 7$

$\sqrt{64} = 8$

$\sqrt{81} = 9$

$\sqrt{100} = 10$

$\sqrt{121} = 11$

$\sqrt{144} = 12$

$\sqrt{169} = 13$

$\sqrt{196} = 14$

$\sqrt{225} = 15$

$\sqrt{256} = 16$

$\sqrt{289} = 17$

$\sqrt{324} = 18$

$\sqrt{361} = 19$

$\sqrt{400} = 20$

20 problems
45 seconds
once a week 11
220 pts

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20 problems
45 seconds
once a week
140 pts

Questions Black
Answers Blue

$\sqrt{1} = 1$
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$\sqrt{324} = 18$
$\sqrt{361} = 19$
$\sqrt{400} = 20$

20 problems
45 seconds
once a week
140 pts

Front	Back
5^2 Question	25 Answer
5^2 Question	$\sqrt{25}$ Question

40 cards
questions & Answers

20 → All questions
No Answers

O.T.L.

① Make Flash Cards

Note: from this Moment on, I can at ANYTIME Give a P.S. & Real Test.