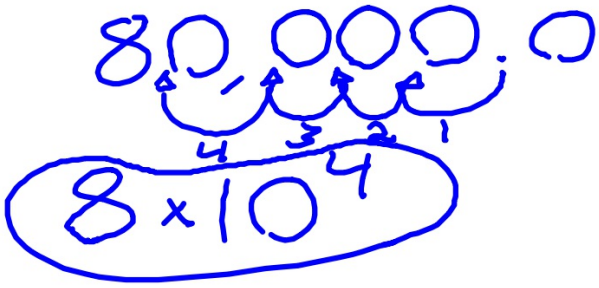
Warm - Up
12/3

Rewrite 80,000 in scientific notation



Rewriting to scientific notation
(Negative exponents)

$\# \cdot 10^{\square}$

$1 \le x < 10$

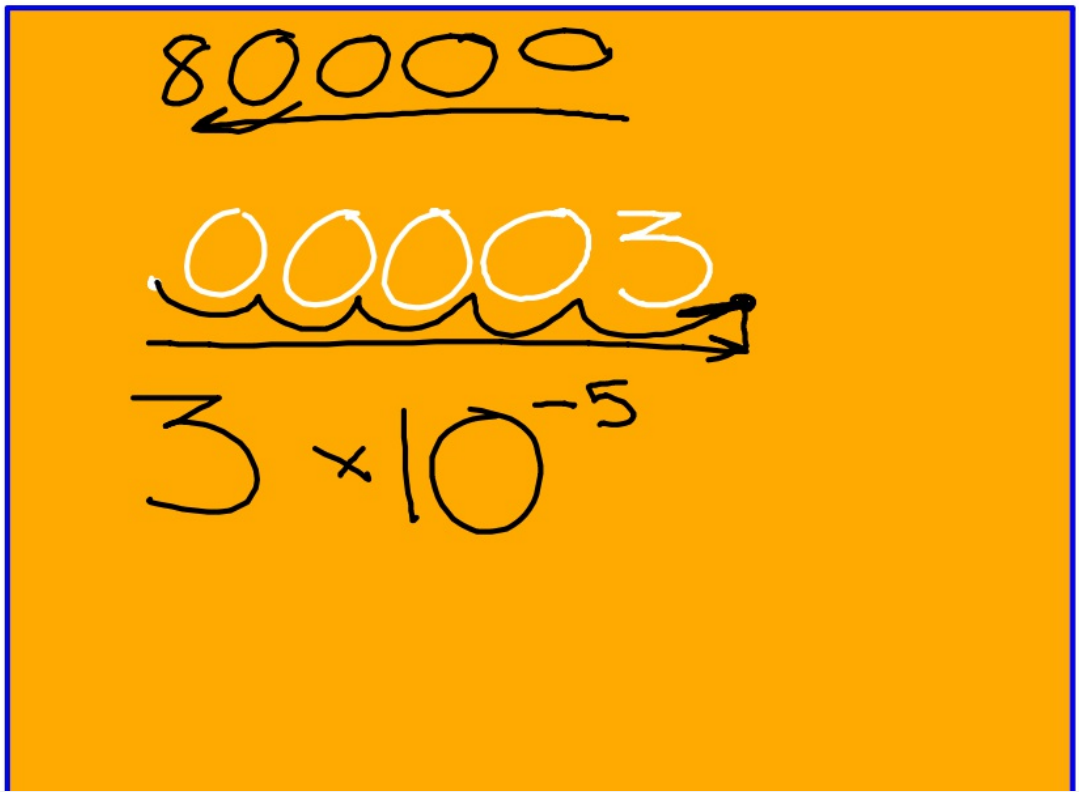
Write 0.03 in scientific notation.

$$0.03 = \frac{3}{100} = \frac{3}{10^2} = 3 \times 10^{-2}$$

$$0.03$$

Move two decimal places to the right.

$$3 \times 10^{-2}$$



Write in scientific notation.

$-0.0000077 = -7.7\times10^{-6}$

$0.000153 = 1.53\times10^{-4}$

$0.000000000996 = 9.96\times10^{-10}$

$-0.8\times10^{-7} = -8\times10^{-1}\times10^{-7} = -8\times10^{-8}$

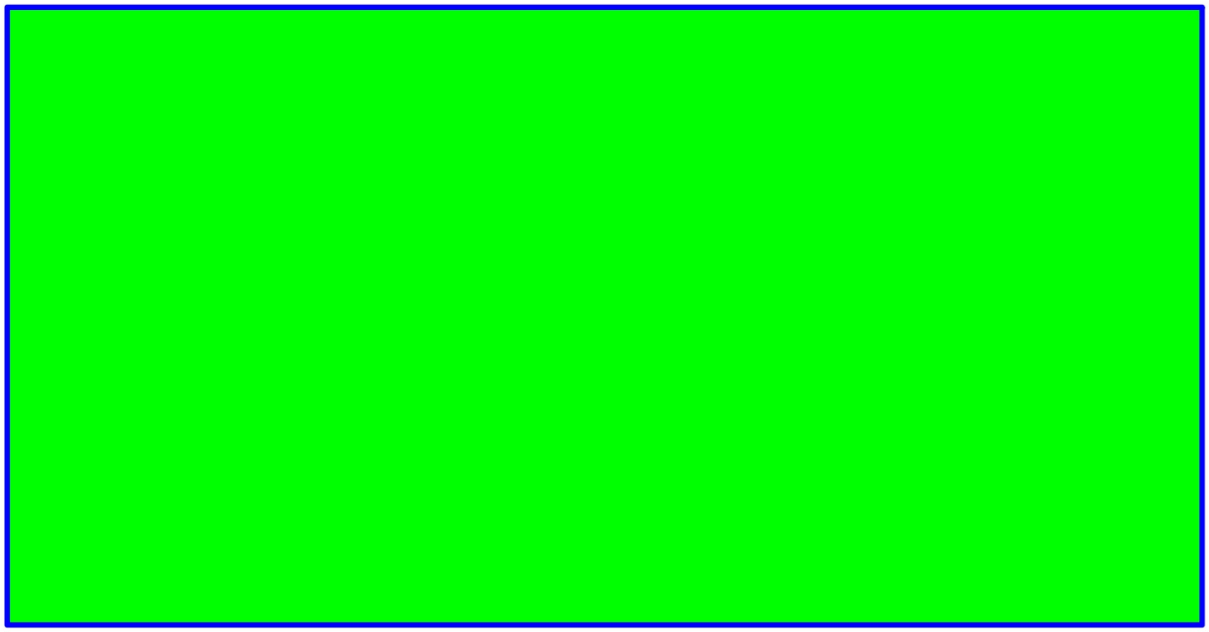
$-34\times10^{-4} = -3.4\times10^{1}\times10^{-4} = -3.4\times10^{-3}$

$0.01\times10^{-4} = 1\times10^{-2}\times10^{-4} = 1\times10^{-6}$

$42.1\times10^{-1} = 4.21\times10^{1}\times10^{-1} = 4.21\times10^{0}$

Rewriting from scientific notation to decimal notation
(Negative exponents)

Write 2×10^{-3} in decimal notation.



Write in decimal notation.

$3.9 \times 10^{-5} =$ [redacted]

$= 1.01 \times 10^{-8} =$ [redacted]

$-6.121 \times 10^{-3} =$ [redacted]

Homework (due Wed)
p.61 (8 - 14)