

Warm - Up
Dec. 6th

Multiply. Write your answer in scientific notation.

$$(5 \times 10^{-2})(4 \times 10^8)$$

$$(5 \times 4)(10^{-2} \times 10^8)$$

$$(20) \times (10^6)$$

$$= 2.0 \times 10^6$$

$$2.0 \times 10^7$$

$$2.0 \times 10^1 \times 10^6 =$$

2.54

12/6

2.63

Dividing with Scientific Notation

Simplify $\frac{8 \times 10^{-3}}{4 \times 10^2}$ Write your answer in scientific notation.

$$\frac{8 \times 10^{-3}}{4 \times 10^2}$$

$$\frac{8}{4} \times \frac{10^{-3}}{10^2}$$

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



Simplify write your answer in scientific notation

$$-\frac{3 \times 10^{11}}{6 \times 10^5}$$

$$-\frac{\cancel{3} \times 10^{11}}{\cancel{6} \times 10^5}$$

$$-0.5 \times 10^6$$

$$-5 \times 10^{-1} \times 10^6$$

$$-5 \times 10^5$$



Simplify write your answer in scientific notation

$$\frac{65 \times 10^{13}}{5 \times 10^{25}}$$

$$\frac{65}{5} \times \frac{10^{13}}{10^{25}}$$

$$13 \times 10^1 \times 10^{-2}$$

$$1.3 \times 10^{-11}$$

Simplify write your answer in scientific notation

$$\frac{4 \times 10^{-9}}{16 \times 10^{-14}}$$

$$\frac{1}{4}$$
$$25 \times 10^5$$
$$2.5 \times 10^{-1} \times 10^5$$
$$\boxed{2.5 \times 10^4}$$

Simplify write your answer in scientific notation

$$\frac{(-7 \times 10^{-15})(-9 \times 10^{-11})}{2 \times 10^{25}}$$

$$\frac{63 \times 10^{-26}}{2 \times 10^{25}}$$

$$31.5 \times 10^{-51}$$

$$3.15 \times 10^1 \times 10^{-51}$$



Homework (due Tue)
p.63 (24,26,28,31,32)