

Student Name: _____

Score: _____

Dividing Numbers in Scientific Notation

Example: $(6.27 \times 10^5) \div (1.9 \times 10^3)$

$$\begin{aligned} &(6.27 \times 10^5) \div (1.9 \times 10^3) \\ &= (6.27 \div 1.9) \times (10^5 \div 10^3) \\ &= 3.3 \times 10^{5-3} \\ &= 3.3 \times 10^2 \end{aligned}$$

Answer: **3.3×10^2**

$(5 \times 10^4) \div (2.5 \times 10^2)$

Answer:

$(2.4 \times 10^7) \div (3.5 \times 10^9)$

Answer:

$(7.1 \times 10^4) \div (8.2 \times 10^{11})$

Answer:

$(7.43 \times 10^4) \div (2.1 \times 10^4)$

Answer:

$(8.306 \times 10^{11}) \div (9.54 \times 10^8)$

Answer:

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Answers

<p><i>Example:</i> $(6.27 \times 10^5) \div (1.9 \times 10^3)$</p> $(6.27 \times 10^5) \div (1.9 \times 10^3)$ $= (6.27 \div 1.9) \times (10^5 \div 10^3)$ $= 3.3 \times 10^{5-3}$ $= 3.3 \times 10^2$	$(5 \times 10^4) \div (2.5 \times 10^2)$
<p>Answer: 3.3×10^2</p>	<p>Answer: 2×10^2</p>
$(2.4 \times 10^7) \div (3.5 \times 10^9)$	$(7.43 \times 10^4) \div (2.1 \times 10^4)$
<p>Answer: 6.9×10^{-3}</p>	<p>Answer: 3.538×10^0</p>
$(7.1 \times 10^4) \div (8.2 \times 10^{11})$	$(8.306 \times 10^{11}) \div (9.54 \times 10^8)$
<p>Answer: 8.7×10^{-8}</p>	<p>Answer: 8.706×10^2</p>