

- Last year a large trucking company delivered about 5 million loads of goods at an average value of \$12,500 per load. What was the total value of goods delivered? Express your answer in scientific notation.
[A] $\$50.0 \times 10^{10}$ [B] $\$62.5 \times 10^9$ [C] $\$5.0 \times 10^{11}$ [D] $\$6.25 \times 10^{10}$
- In 1993, Argentina produced about 2.76×10^4 passenger cars. That same year, Canada produced about 3.5 times as many passenger cars as Argentina. About how many cars did Canada produce? Write your answer in scientific notation.
- In 1994, the population of Panama was about 3.358×10^6 . That same year, the population of Portugal was twice the population of Panama. What was the approximate population of Portugal in 1994? Write your answer in scientific notation.
- In a certain country, the population is 1.1 million. 27,500 people have formed a new political party. If a person is picked at random from the country, what is the probability that the person belongs to the party? Express your answer in scientific notation.
- Compare the quantities in Column A and Column B.

<u>Column A</u>	<u>Column B</u>
the value of $2 \cdot (4 \times 10^3)$	the value of $4 \cdot (2 \times 10^4)$

[A] The quantity in Column A is greater. [B] The quantity in Column B is greater.
[C] The quantities are equal.
[D] The relationship cannot be determined from the information given.

Grade 8 Practice 8.EE.A.4: Operations with Scientific Notation

www.jmap.org

[1] D

[2] 9.66×10^4 _____

[3] 6.716×10^6 _____

[4] 2.50×10^{-2} _____

[5] B