Multiplying and Dividing in Scientific Notation

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Multiply or divide.

1. (9.6 x 106) x (1.2 x 103) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. (4 x $10^{-3}$) x ( 2.5 x 105) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. (3.12 x 105) ÷ (3 x $10^{-7}$) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. (1.38 x $10^{-4}$) ÷ (1.5 x $10^{-7}$) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. (7.65 x 103) x (4 x 102) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6. (2.808 x 100) ÷ (5.2 x $10^{-5}$) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. (2.542 x 103) $÷$ (4.1 x $10^{-6}$) \_\_\_\_\_\_\_\_\_\_\_\_ 8. (7 x 105) x (5.3 x 102) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. It is 2.389 x 105 miles to the moon from the Earth. How many miles will it be if you go to the moon and back two times? Write your answer in scientific notation.

10. Tim sold five stereos for 4.56 x 102 . How much did he make in all? Write your answer in scientific notation.

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Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Multiply or divide.

1. (9.6 x 106) x (1.2 x 103) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. (4 x $10^{-3}$) x ( 2.5 x 105) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. (3.12 x 105) ÷ (3 x $10^{-7}$) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. (1.38 x $10^{-4}$) ÷ (1.5 x $10^{-7}$) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. (7.65 x 103) x (4 x 102) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6. (2.808 x 100) ÷ (5.2 x $10^{-5}$) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. (2.542 x 103) $÷$ (4.1 x $10^{-6}$) \_\_\_\_\_\_\_\_\_\_\_\_ 8. (7 x 105) x (5.3 x 102) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. It is 2.389 x 105 miles to the moon from the Earth. How many miles will it be if you go to the moon and back two times? Write your answer in scientific notation.

10. Tim sold five stereos for 4.56 x 102 . How much did he make in all? Write your answer in scientific notation.

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Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Multiply or divide.

1. (9.6 x 106) x (1.2 x 103) = 1.152x1010 2. (4 x $10^{-3}$) x ( 2.5 x 105) = 1 x 103

3. (3.12 x 105) ÷ (3 x $10^{-7}$) = 1.04 x 1012 4. (1.38 x $10^{-4}$) ÷ (1.5 x $10^{-7}$) = 9.2 x 102

5. (7.65 x 103) x (4 x 102) = 3.06 x 106 6. (2.808 x 100) ÷ (5.2 x $10^{-5}$) = 5.4 x 104

7. (2.542 x 103) $÷$ (4.1 x $10^{-6}$) = 6.2 x 108 8. (7 x 105) x (5.3 x 102) = 3.71 x 108

9. It is 2.389 x 105 miles to the moon from the Earth. How many miles will it be if you go to the moon and back two times? Write your answer in scientific notation. 2.389 x 105 x 4 = 9.556 x 105

10. Tim sold five stereos for 4.56 x 102 . How much did he make in all? Write your answer in scientific notation.
4.56 x 102 x 5 = 2.28 x 103

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Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Multiply or divide.

1. (9.6 x 106) x (1.2 x 103) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 2. (4 x $10^{-3}$) x ( 2.5 x 105) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

3. (3.12 x 105) ÷ (3 x $10^{-7}$) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 4. (1.38 x $10^{-4}$) ÷ (1.5 x $10^{-7}$) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

5. (7.65 x 103) x (4 x 102) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ 6. (2.808 x 100) ÷ (5.2 x $10^{-5}$) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. (2.542 x 103) $÷$ (4.1 x $10^{-6}$) \_\_\_\_\_\_\_\_\_\_\_\_ 8. (7 x 105) x (5.3 x 102) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

9. It is 2.389 x 105 miles to the moon from the Earth. How many miles will it be if you go to the moon and back two times? Write your answer in scientific notation.

10. Tim sold five stereos for 4.56 x 102 . How much did he make in all? Write your answer in scientific notation.

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