

## Multiplying with Scientific Notation

Name: \_\_\_\_\_

Solve each problem. Answer in scientific notation.

1)  $(8.7 \times 10^{10}) \times (6 \times 10^9)$

2)  $(4.15 \times 10^5) \times (8.44 \times 10^9)$

3)  $(3.3 \times 10^7) \times (1.3 \times 10^4)$

4)  $(2 \times 10^9) \times (8.1 \times 10^7)$

5)  $(7.34 \times 10^6) \times (1.1 \times 10^5)$

6)  $(2 \times 10^8) \times (1.7 \times 10^5)$

7)  $(2.2 \times 10^4) \times (5.8 \times 10^9)$

8)  $(7.7 \times 10^7) \times (5.9 \times 10^5)$

9)  $(8.2 \times 10^7) \times (9.1 \times 10^{10})$

10)  $(4.22 \times 10^8) \times (2.6 \times 10^5)$

Answers

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

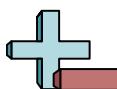
6. \_\_\_\_\_

7. \_\_\_\_\_

8. \_\_\_\_\_

9. \_\_\_\_\_

10. \_\_\_\_\_



# Multiplying with Scientific Notation

Name: **Answer Key**

Solve each problem. Answer in scientific notation.

1)  $(8.7 \times 10^{10}) \times (6 \times 10^9)$

$$(8.7 \times 6) \times (10^{10} \times 10^9)$$

$$52.2 \times 10^{19}$$

$$5.22 \times 10^{20}$$

2)  $(4.15 \times 10^5) \times (8.44 \times 10^9)$

$$(4.15 \times 8.44) \times (10^5 \times 10^9)$$

$$35.026 \times 10^{14}$$

$$3.5026 \times 10^{15}$$

3)  $(3.3 \times 10^7) \times (1.3 \times 10^4)$

$$(3.3 \times 1.3) \times (10^7 \times 10^4)$$

$$4.29 \times 10^{11}$$

$$4.29 \times 10^{11}$$

4)  $(2 \times 10^9) \times (8.1 \times 10^7)$

$$(2 \times 8.1) \times (10^9 \times 10^7)$$

$$16.2 \times 10^{16}$$

$$1.62 \times 10^{17}$$

5)  $(7.34 \times 10^6) \times (1.1 \times 10^5)$

$$(7.34 \times 1.1) \times (10^6 \times 10^5)$$

$$8.074 \times 10^{11}$$

$$8.074 \times 10^{11}$$

6)  $(2 \times 10^8) \times (1.7 \times 10^5)$

$$(2 \times 1.7) \times (10^8 \times 10^5)$$

$$3.4 \times 10^{13}$$

$$3.4 \times 10^{13}$$

7)  $(2.2 \times 10^4) \times (5.8 \times 10^9)$

$$(2.2 \times 5.8) \times (10^4 \times 10^9)$$

$$12.76 \times 10^{13}$$

$$1.276 \times 10^{14}$$

8)  $(7.7 \times 10^7) \times (5.9 \times 10^5)$

$$(7.7 \times 5.9) \times (10^7 \times 10^5)$$

$$45.43 \times 10^{12}$$

$$4.543 \times 10^{13}$$

9)  $(8.2 \times 10^7) \times (9.1 \times 10^{10})$

$$(8.2 \times 9.1) \times (10^7 \times 10^{10})$$

$$74.62 \times 10^{17}$$

$$7.462 \times 10^{18}$$

10)  $(4.22 \times 10^8) \times (2.6 \times 10^5)$

$$(4.22 \times 2.6) \times (10^8 \times 10^5)$$

$$10.972 \times 10^{13}$$

$$1.0972 \times 10^{14}$$

## Answers

1.  $5.22 \times 10^{20}$

2.  $3.5026 \times 10^{15}$

3.  $4.29 \times 10^{11}$

4.  $1.62 \times 10^{17}$

5.  $8.074 \times 10^{11}$

6.  $3.4 \times 10^{13}$

7.  $1.276 \times 10^{14}$

8.  $4.543 \times 10^{13}$

9.  $7.462 \times 10^{18}$

10.  $1.0972 \times 10^{14}$