

## Multiplying with Scientific Notation

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

Solve each problem. Answer in scientific notation.

1)  $(4.68 \times 10^6) \times (3.31 \times 10^8)$

2)  $(6.64 \times 10^3) \times (8.05 \times 10^8)$

3)  $(9.9 \times 10^7) \times (1.7 \times 10^6)$

4)  $(2 \times 10^7) \times (3.4 \times 10^8)$

5)  $(4.62 \times 10^7) \times (5.85 \times 10^3)$

6)  $(9.7 \times 10^8) \times (2.9 \times 10^{10})$

7)  $(5.31 \times 10^8) \times (9.55 \times 10^4)$

8)  $(6 \times 10^{10}) \times (7.7 \times 10^9)$

9)  $(6.83 \times 10^9) \times (1.18 \times 10^7)$

10)  $(8.4 \times 10^{10}) \times (9.2 \times 10^5)$

Answers

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

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

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

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

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

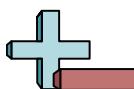
6. \_\_\_\_\_

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

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

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

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



## Multiplying with Scientific Notation

Name: **Answer Key**

Solve each problem. Answer in scientific notation.

1)  $(4.68 \times 10^6) \times (3.31 \times 10^8)$

$(4.68 \times 3.31) \times (10^6 \times 10^8)$

$15.4908 \times 10^{14}$

$1.54908 \times 10^{15}$

2)  $(6.64 \times 10^3) \times (8.05 \times 10^8)$

$(6.64 \times 8.05) \times (10^3 \times 10^8)$

$53.452 \times 10^{11}$

$5.3452 \times 10^{12}$

3)  $(9.9 \times 10^7) \times (1.7 \times 10^6)$

$(9.9 \times 1.7) \times (10^7 \times 10^6)$

$16.83 \times 10^{13}$

$1.683 \times 10^{14}$

4)  $(2 \times 10^7) \times (3.4 \times 10^8)$

$(2 \times 3.4) \times (10^7 \times 10^8)$

$6.8 \times 10^{15}$

$6.8 \times 10^{15}$

5)  $(4.62 \times 10^7) \times (5.85 \times 10^3)$

$(4.62 \times 5.85) \times (10^7 \times 10^3)$

$27.027 \times 10^{10}$

$2.7027 \times 10^{11}$

6)  $(9.7 \times 10^8) \times (2.9 \times 10^{10})$

$(9.7 \times 2.9) \times (10^8 \times 10^{10})$

$28.13 \times 10^{18}$

$2.813 \times 10^{19}$

7)  $(5.31 \times 10^8) \times (9.55 \times 10^4)$

$(5.31 \times 9.55) \times (10^8 \times 10^4)$

$50.7105 \times 10^{12}$

$5.07105 \times 10^{13}$

8)  $(6 \times 10^{10}) \times (7.7 \times 10^9)$

$(6 \times 7.7) \times (10^{10} \times 10^9)$

$46.2 \times 10^{19}$

$4.62 \times 10^{20}$

9)  $(6.83 \times 10^9) \times (1.18 \times 10^7)$

$(6.83 \times 1.18) \times (10^9 \times 10^7)$

$8.0594 \times 10^{16}$

$8.0594 \times 10^{16}$

10)  $(8.4 \times 10^{10}) \times (9.2 \times 10^5)$

$(8.4 \times 9.2) \times (10^{10} \times 10^5)$

$77.28 \times 10^{15}$

$7.728 \times 10^{16}$

**Answers**

1.  $1.54908 \times 10^{15}$

2.  $5.3452 \times 10^{12}$

3.  $1.683 \times 10^{14}$

4.  $6.8 \times 10^{15}$

5.  $2.7027 \times 10^{11}$

6.  $2.813 \times 10^{19}$

7.  $5.07105 \times 10^{13}$

8.  $4.62 \times 10^{20}$

9.  $8.0594 \times 10^{16}$

10.  $7.728 \times 10^{16}$