



## Multiplying with Scientific Notation

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

Solve each problem. Answer in scientific notation.

1)  $(6.81 \times 10^3) \times (9.31 \times 10^3)$

2)  $(5.4 \times 10^{10}) \times (7.47 \times 10^6)$

3)  $(7.97 \times 10^7) \times (7.26 \times 10^8)$

4)  $(9.8 \times 10^9) \times (3.4 \times 10^7)$

5)  $(6.8 \times 10^7) \times (9.3 \times 10^8)$

6)  $(5.37 \times 10^7) \times (5.2 \times 10^{10})$

7)  $(9.8 \times 10^5) \times (6.5 \times 10^4)$

8)  $(2.4 \times 10^9) \times (4.5 \times 10^8)$

9)  $(5.94 \times 10^9) \times (4.58 \times 10^{10})$

10)  $(3.4 \times 10^3) \times (1 \times 10^8)$

Answers

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

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

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

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

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

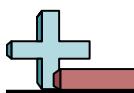
6. \_\_\_\_\_

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

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

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

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



## Multiplying with Scientific Notation

Name: **Answer Key**

Solve each problem. Answer in scientific notation.

1)  $(6.81 \times 10^3) \times (9.31 \times 10^3)$

$(6.81 \times 9.31) \times (10^3 \times 10^3)$

$63.4011 \times 10^6$

$6.34011 \times 10^7$

2)  $(5.4 \times 10^{10}) \times (7.47 \times 10^6)$

$(5.4 \times 7.47) \times (10^{10} \times 10^6)$

$40.338 \times 10^{16}$

$4.0338 \times 10^{17}$

3)  $(7.97 \times 10^7) \times (7.26 \times 10^8)$

$(7.97 \times 7.26) \times (10^7 \times 10^8)$

$57.8622 \times 10^{15}$

$5.78622 \times 10^{16}$

4)  $(9.8 \times 10^9) \times (3.4 \times 10^7)$

$(9.8 \times 3.4) \times (10^9 \times 10^7)$

$33.32 \times 10^{16}$

$3.332 \times 10^{17}$

5)  $(6.8 \times 10^7) \times (9.3 \times 10^8)$

$(6.8 \times 9.3) \times (10^7 \times 10^8)$

$63.24 \times 10^{15}$

$6.324 \times 10^{16}$

6)  $(5.37 \times 10^7) \times (5.2 \times 10^{10})$

$(5.37 \times 5.2) \times (10^7 \times 10^{10})$

$27.924 \times 10^{17}$

$2.7924 \times 10^{18}$

7)  $(9.8 \times 10^5) \times (6.5 \times 10^4)$

$(9.8 \times 6.5) \times (10^5 \times 10^4)$

$63.7 \times 10^9$

$6.37 \times 10^{10}$

8)  $(2.4 \times 10^9) \times (4.5 \times 10^8)$

$(2.4 \times 4.5) \times (10^9 \times 10^8)$

$10.8 \times 10^{17}$

$1.08 \times 10^{18}$

9)  $(5.94 \times 10^9) \times (4.58 \times 10^{10})$

$(5.94 \times 4.58) \times (10^9 \times 10^{10})$

$27.2052 \times 10^{19}$

$2.72052 \times 10^{20}$

10)  $(3.4 \times 10^3) \times (1 \times 10^8)$

$(3.4 \times 1) \times (10^3 \times 10^8)$

$3.4 \times 10^{11}$

$3.4 \times 10^{11}$

**Answers**

1.  $6.34011 \times 10^7$

2.  $4.0338 \times 10^{17}$

3.  $5.78622 \times 10^{16}$

4.  $3.332 \times 10^{17}$

5.  $6.324 \times 10^{16}$

6.  $2.7924 \times 10^{18}$

7.  $6.37 \times 10^{10}$

8.  $1.08 \times 10^{18}$

9.  $2.72052 \times 10^{20}$

10.  $3.4 \times 10^{11}$