



## Multiplying with Scientific Notation

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

Solve each problem. Answer in scientific notation.

1)  $(3.79 \times 10^7) \times (7.68 \times 10^4)$

2)  $(7.57 \times 10^7) \times (7.06 \times 10^7)$

3)  $(1.72 \times 10^6) \times (7.86 \times 10^4)$

4)  $(3.5 \times 10^9) \times (7.3 \times 10^4)$

5)  $(5.9 \times 10^5) \times (3.5 \times 10^7)$

6)  $(4.23 \times 10^8) \times (4.59 \times 10^5)$

7)  $(7.4 \times 10^7) \times (4.4 \times 10^3)$

8)  $(8.32 \times 10^{10}) \times (4.03 \times 10^9)$

9)  $(2 \times 10^8) \times (4.1 \times 10^5)$

10)  $(4.5 \times 10^5) \times (2.4 \times 10^{10})$

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)  $(3.79 \times 10^7) \times (7.68 \times 10^4)$

$(3.79 \times 7.68) \times (10^7 \times 10^4)$

$29.1072 \times 10^{11}$

$2.91072 \times 10^{12}$

2)  $(7.57 \times 10^7) \times (7.06 \times 10^7)$

$(7.57 \times 7.06) \times (10^7 \times 10^7)$

$53.4442 \times 10^{14}$

$5.34442 \times 10^{15}$

3)  $(1.72 \times 10^6) \times (7.86 \times 10^4)$

$(1.72 \times 7.86) \times (10^6 \times 10^4)$

$13.5192 \times 10^{10}$

$1.35192 \times 10^{11}$

4)  $(3.5 \times 10^9) \times (7.3 \times 10^4)$

$(3.5 \times 7.3) \times (10^9 \times 10^4)$

$25.55 \times 10^{13}$

$2.555 \times 10^{14}$

5)  $(5.9 \times 10^5) \times (3.5 \times 10^7)$

$(5.9 \times 3.5) \times (10^5 \times 10^7)$

$20.65 \times 10^{12}$

$2.065 \times 10^{13}$

6)  $(4.23 \times 10^8) \times (4.59 \times 10^5)$

$(4.23 \times 4.59) \times (10^8 \times 10^5)$

$19.4157 \times 10^{13}$

$1.94157 \times 10^{14}$

7)  $(7.4 \times 10^7) \times (4.4 \times 10^3)$

$(7.4 \times 4.4) \times (10^7 \times 10^3)$

$32.56 \times 10^{10}$

$3.256 \times 10^{11}$

8)  $(8.32 \times 10^{10}) \times (4.03 \times 10^9)$

$(8.32 \times 4.03) \times (10^{10} \times 10^9)$

$33.5296 \times 10^{19}$

$3.35296 \times 10^{20}$

9)  $(2 \times 10^8) \times (4.1 \times 10^5)$

$(2 \times 4.1) \times (10^8 \times 10^5)$

$8.2 \times 10^{13}$

$8.2 \times 10^{13}$

10)  $(4.5 \times 10^5) \times (2.4 \times 10^{10})$

$(4.5 \times 2.4) \times (10^5 \times 10^{10})$

$10.8 \times 10^{15}$

$1.08 \times 10^{16}$

**Answers**

1.  $2.91072 \times 10^{12}$

2.  $5.34442 \times 10^{15}$

3.  $1.35192 \times 10^{11}$

4.  $2.555 \times 10^{14}$

5.  $2.065 \times 10^{13}$

6.  $1.94157 \times 10^{14}$

7.  $3.256 \times 10^{11}$

8.  $3.35296 \times 10^{20}$

9.  $8.2 \times 10^{13}$

10.  $1.08 \times 10^{16}$