



Solve each problem. Answer in scientific notation.

Answers

1)  $(9.6 \times 10^7) \times (4.3 \times 10^4)$

2)  $(8.7 \times 10^4) \times (2.4 \times 10^9)$

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

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

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

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

3)  $(1 \times 10^4) \times (1.6 \times 10^9)$

4)  $(1 \times 10^3) \times (7.7 \times 10^9)$

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

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

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

5)  $(9.04 \times 10^{10}) \times (5.74 \times 10^9)$

6)  $(3.51 \times 10^8) \times (4.9 \times 10^3)$

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

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

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

7)  $(9.05 \times 10^6) \times (4.62 \times 10^3)$

8)  $(9.4 \times 10^9) \times (2.6 \times 10^4)$

9)  $(5.4 \times 10^5) \times (1.5 \times 10^3)$

10)  $(8.52 \times 10^9) \times (4.47 \times 10^9)$



Solve each problem. Answer in scientific notation.

1)  $(9.6 \times 10^7) \times (4.3 \times 10^4)$   
 $(9.6 \times 4.3) \times (10^7 \times 10^4)$   
 $41.28 \times 10^{11}$   
 $4.128 \times 10^{12}$

2)  $(8.7 \times 10^4) \times (2.4 \times 10^9)$   
 $(8.7 \times 2.4) \times (10^4 \times 10^9)$   
 $20.88 \times 10^{13}$   
 $2.088 \times 10^{14}$

3)  $(1 \times 10^4) \times (1.6 \times 10^9)$   
 $(1 \times 1.6) \times (10^4 \times 10^9)$   
 $1.6 \times 10^{13}$   
 $1.6 \times 10^{13}$

4)  $(1 \times 10^3) \times (7.7 \times 10^9)$   
 $(1 \times 7.7) \times (10^3 \times 10^9)$   
 $7.7 \times 10^{12}$   
 $7.7 \times 10^{12}$

5)  $(9.04 \times 10^{10}) \times (5.74 \times 10^9)$   
 $(9.04 \times 5.74) \times (10^{10} \times 10^9)$   
 $51.8896 \times 10^{19}$   
 $5.18896 \times 10^{20}$

6)  $(3.51 \times 10^8) \times (4.9 \times 10^3)$   
 $(3.51 \times 4.9) \times (10^8 \times 10^3)$   
 $17.199 \times 10^{11}$   
 $1.7199 \times 10^{12}$

7)  $(9.05 \times 10^6) \times (4.62 \times 10^3)$   
 $(9.05 \times 4.62) \times (10^6 \times 10^3)$   
 $41.811 \times 10^9$   
 $4.1811 \times 10^{10}$

8)  $(9.4 \times 10^9) \times (2.6 \times 10^4)$   
 $(9.4 \times 2.6) \times (10^9 \times 10^4)$   
 $24.44 \times 10^{13}$   
 $2.444 \times 10^{14}$

9)  $(5.4 \times 10^5) \times (1.5 \times 10^3)$   
 $(5.4 \times 1.5) \times (10^5 \times 10^3)$   
 $8.1 \times 10^8$   
 $8.1 \times 10^8$

10)  $(8.52 \times 10^9) \times (4.47 \times 10^9)$   
 $(8.52 \times 4.47) \times (10^9 \times 10^9)$   
 $38.0844 \times 10^{18}$   
 $3.80844 \times 10^{19}$

Answers

1.  $4.128 \times 10^{12}$
2.  $2.088 \times 10^{14}$
3.  $1.6 \times 10^{13}$
4.  $7.7 \times 10^{12}$
5.  $5.18896 \times 10^{20}$
6.  $1.7199 \times 10^{12}$
7.  $4.1811 \times 10^{10}$
8.  $2.444 \times 10^{14}$
9.  $8.1 \times 10^8$
10.  $3.80844 \times 10^{19}$



Solve each problem. Answer in scientific notation.

1)  $(4.5 \times 10^9) \times (7.3 \times 10^8)$

2)  $(1 \times 10^4) \times (4 \times 10^4)$

3)  $(6.84 \times 10^3) \times (2.99 \times 10^4)$

4)  $(8.4 \times 10^9) \times (8.51 \times 10^3)$

5)  $(5.74 \times 10^8) \times (5.73 \times 10^7)$

6)  $(6.26 \times 10^4) \times (4.57 \times 10^6)$

7)  $(9.8 \times 10^9) \times (1.9 \times 10^4)$

8)  $(9.9 \times 10^9) \times (1.1 \times 10^5)$

9)  $(8.58 \times 10^6) \times (4.38 \times 10^7)$

10)  $(6.55 \times 10^{10}) \times (1.97 \times 10^9)$

**Answers**

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

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

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

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

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

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

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

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

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

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



Solve each problem. Answer in scientific notation.

1)  $(4.5 \times 10^9) \times (7.3 \times 10^8)$

$(4.5 \times 7.3) \times (10^9 \times 10^8)$

$32.85 \times 10^{17}$

$3.285 \times 10^{18}$

2)  $(1 \times 10^4) \times (4 \times 10^4)$

$(1 \times 4) \times (10^4 \times 10^4)$

$4 \times 10^8$

$4 \times 10^8$

3)  $(6.84 \times 10^3) \times (2.99 \times 10^4)$

$(6.84 \times 2.99) \times (10^3 \times 10^4)$

$20.4516 \times 10^7$

$2.04516 \times 10^8$

4)  $(8.4 \times 10^9) \times (8.51 \times 10^3)$

$(8.4 \times 8.51) \times (10^9 \times 10^3)$

$71.484 \times 10^{12}$

$7.1484 \times 10^{13}$

5)  $(5.74 \times 10^8) \times (5.73 \times 10^7)$

$(5.74 \times 5.73) \times (10^8 \times 10^7)$

$32.8902 \times 10^{15}$

$3.28902 \times 10^{16}$

6)  $(6.26 \times 10^4) \times (4.57 \times 10^6)$

$(6.26 \times 4.57) \times (10^4 \times 10^6)$

$28.6082 \times 10^{10}$

$2.86082 \times 10^{11}$

7)  $(9.8 \times 10^9) \times (1.9 \times 10^4)$

$(9.8 \times 1.9) \times (10^9 \times 10^4)$

$18.62 \times 10^{13}$

$1.862 \times 10^{14}$

8)  $(9.9 \times 10^9) \times (1.1 \times 10^5)$

$(9.9 \times 1.1) \times (10^9 \times 10^5)$

$10.89 \times 10^{14}$

$1.089 \times 10^{15}$

9)  $(8.58 \times 10^6) \times (4.38 \times 10^7)$

$(8.58 \times 4.38) \times (10^6 \times 10^7)$

$37.5804 \times 10^{13}$

$3.75804 \times 10^{14}$

10)  $(6.55 \times 10^{10}) \times (1.97 \times 10^9)$

$(6.55 \times 1.97) \times (10^{10} \times 10^9)$

$12.9035 \times 10^{19}$

$1.29035 \times 10^{20}$

Answers

1.  $3.285 \times 10^{18}$

2.  $4 \times 10^8$

3.  $2.04516 \times 10^8$

4.  $7.1484 \times 10^{13}$

5.  $3.28902 \times 10^{16}$

6.  $2.86082 \times 10^{11}$

7.  $1.862 \times 10^{14}$

8.  $1.089 \times 10^{15}$

9.  $3.75804 \times 10^{14}$

10.  $1.29035 \times 10^{20}$



Solve each problem. Answer in scientific notation.

1)  $(6 \times 10^5) \times (3.3 \times 10^3)$

2)  $(5.43 \times 10^{10}) \times (6.1 \times 10^4)$

3)  $(1.6 \times 10^3) \times (1.12 \times 10^9)$

4)  $(3 \times 10^3) \times (6.04 \times 10^8)$

5)  $(1.1 \times 10^5) \times (3.6 \times 10^7)$

6)  $(1.97 \times 10^7) \times (9.57 \times 10^7)$

7)  $(8.1 \times 10^5) \times (8.8 \times 10^9)$

8)  $(4.1 \times 10^{10}) \times (1.6 \times 10^{10})$

9)  $(8.14 \times 10^7) \times (6.58 \times 10^5)$

10)  $(3.48 \times 10^7) \times (1.24 \times 10^{10})$

**Answers**

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

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

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

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

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

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

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

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

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

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



Solve each problem. Answer in scientific notation.

1)  $(6 \times 10^5) \times (3.3 \times 10^3)$   
 $(6 \times 3.3) \times (10^5 \times 10^3)$   
 $19.8 \times 10^8$   
 $1.98 \times 10^9$

2)  $(5.43 \times 10^{10}) \times (6.1 \times 10^4)$   
 $(5.43 \times 6.1) \times (10^{10} \times 10^4)$   
 $33.123 \times 10^{14}$   
 $3.3123 \times 10^{15}$

3)  $(1.6 \times 10^3) \times (1.12 \times 10^9)$   
 $(1.6 \times 1.12) \times (10^3 \times 10^9)$   
 $1.792 \times 10^{12}$   
 $1.792 \times 10^{12}$

4)  $(3 \times 10^3) \times (6.04 \times 10^8)$   
 $(3 \times 6.04) \times (10^3 \times 10^8)$   
 $18.12 \times 10^{11}$   
 $1.812 \times 10^{12}$

5)  $(1.1 \times 10^5) \times (3.6 \times 10^7)$   
 $(1.1 \times 3.6) \times (10^5 \times 10^7)$   
 $3.96 \times 10^{12}$   
 $3.96 \times 10^{12}$

6)  $(1.97 \times 10^7) \times (9.57 \times 10^7)$   
 $(1.97 \times 9.57) \times (10^7 \times 10^7)$   
 $18.8529 \times 10^{14}$   
 $1.88529 \times 10^{15}$

7)  $(8.1 \times 10^5) \times (8.8 \times 10^9)$   
 $(8.1 \times 8.8) \times (10^5 \times 10^9)$   
 $71.28 \times 10^{14}$   
 $7.128 \times 10^{15}$

8)  $(4.1 \times 10^{10}) \times (1.6 \times 10^{10})$   
 $(4.1 \times 1.6) \times (10^{10} \times 10^{10})$   
 $6.56 \times 10^{20}$   
 $6.56 \times 10^{20}$

9)  $(8.14 \times 10^7) \times (6.58 \times 10^5)$   
 $(8.14 \times 6.58) \times (10^7 \times 10^5)$   
 $53.5612 \times 10^{12}$   
 $5.35612 \times 10^{13}$

10)  $(3.48 \times 10^7) \times (1.24 \times 10^{10})$   
 $(3.48 \times 1.24) \times (10^7 \times 10^{10})$   
 $4.3152 \times 10^{17}$   
 $4.3152 \times 10^{17}$

Answers

1.  $1.98 \times 10^9$

2.  $3.3123 \times 10^{15}$

3.  $1.792 \times 10^{12}$

4.  $1.812 \times 10^{12}$

5.  $3.96 \times 10^{12}$

6.  $1.88529 \times 10^{15}$

7.  $7.128 \times 10^{15}$

8.  $6.56 \times 10^{20}$

9.  $5.35612 \times 10^{13}$

10.  $4.3152 \times 10^{17}$



Solve each problem. Answer in scientific notation.

1)  $(4 \times 10^6) \times (6 \times 10^{10})$

2)  $(4.73 \times 10^9) \times (3.26 \times 10^3)$

3)  $(7.35 \times 10^5) \times (3.48 \times 10^6)$

4)  $(2.67 \times 10^9) \times (8.58 \times 10^9)$

5)  $(1.11 \times 10^9) \times (2.57 \times 10^8)$

6)  $(1.24 \times 10^4) \times (8.59 \times 10^5)$

7)  $(1.68 \times 10^8) \times (4.78 \times 10^8)$

8)  $(5.1 \times 10^5) \times (8.8 \times 10^6)$

9)  $(1.7 \times 10^5) \times (3.9 \times 10^6)$

10)  $(2.57 \times 10^7) \times (2.36 \times 10^3)$

**Answers**

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

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

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

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

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

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

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

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

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

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



Solve each problem. Answer in scientific notation.

1)  $(4 \times 10^6) \times (6 \times 10^{10})$   
 $(4 \times 6) \times (10^6 \times 10^{10})$   
 $24 \times 10^{16}$   
 $2.4 \times 10^{17}$

2)  $(4.73 \times 10^9) \times (3.26 \times 10^3)$   
 $(4.73 \times 3.26) \times (10^9 \times 10^3)$   
 $15.4198 \times 10^{12}$   
 $1.54198 \times 10^{13}$

3)  $(7.35 \times 10^5) \times (3.48 \times 10^6)$   
 $(7.35 \times 3.48) \times (10^5 \times 10^6)$   
 $25.578 \times 10^{11}$   
 $2.5578 \times 10^{12}$

4)  $(2.67 \times 10^9) \times (8.58 \times 10^9)$   
 $(2.67 \times 8.58) \times (10^9 \times 10^9)$   
 $22.9086 \times 10^{18}$   
 $2.29086 \times 10^{19}$

5)  $(1.11 \times 10^9) \times (2.57 \times 10^8)$   
 $(1.11 \times 2.57) \times (10^9 \times 10^8)$   
 $2.8527 \times 10^{17}$   
 $2.8527 \times 10^{17}$

6)  $(1.24 \times 10^4) \times (8.59 \times 10^5)$   
 $(1.24 \times 8.59) \times (10^4 \times 10^5)$   
 $10.6516 \times 10^9$   
 $1.06516 \times 10^{10}$

7)  $(1.68 \times 10^8) \times (4.78 \times 10^8)$   
 $(1.68 \times 4.78) \times (10^8 \times 10^8)$   
 $8.0304 \times 10^{16}$   
 $8.0304 \times 10^{16}$

8)  $(5.1 \times 10^5) \times (8.8 \times 10^6)$   
 $(5.1 \times 8.8) \times (10^5 \times 10^6)$   
 $44.88 \times 10^{11}$   
 $4.488 \times 10^{12}$

9)  $(1.7 \times 10^5) \times (3.9 \times 10^6)$   
 $(1.7 \times 3.9) \times (10^5 \times 10^6)$   
 $6.63 \times 10^{11}$   
 $6.63 \times 10^{11}$

10)  $(2.57 \times 10^7) \times (2.36 \times 10^3)$   
 $(2.57 \times 2.36) \times (10^7 \times 10^3)$   
 $6.0652 \times 10^{10}$   
 $6.0652 \times 10^{10}$

Answers

1.  $2.4 \times 10^{17}$

2.  $1.54198 \times 10^{13}$

3.  $2.5578 \times 10^{12}$

4.  $2.29086 \times 10^{19}$

5.  $2.8527 \times 10^{17}$

6.  $1.06516 \times 10^{10}$

7.  $8.0304 \times 10^{16}$

8.  $4.488 \times 10^{12}$

9.  $6.63 \times 10^{11}$

10.  $6.0652 \times 10^{10}$





Solve each problem. Answer in scientific notation.

Answers

1)  $(5.8 \times 10^3) \times (9.2 \times 10^5)$

2)  $(3.6 \times 10^8) \times (2.6 \times 10^4)$

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

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

3)  $(5.86 \times 10^6) \times (3.12 \times 10^{10})$

4)  $(5.8 \times 10^6) \times (3 \times 10^3)$

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

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

5)  $(1.85 \times 10^3) \times (7.38 \times 10^5)$

6)  $(8.2 \times 10^4) \times (3.2 \times 10^6)$

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

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

7)  $(8.3 \times 10^8) \times (1.5 \times 10^5)$

8)  $(2 \times 10^{10}) \times (6.8 \times 10^8)$

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

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

9)  $(2.97 \times 10^3) \times (1.93 \times 10^5)$

10)  $(6.1 \times 10^6) \times (5.75 \times 10^3)$

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

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



Solve each problem. Answer in scientific notation.

1)  $(5.8 \times 10^3) \times (9.2 \times 10^5)$   
 $(5.8 \times 9.2) \times (10^3 \times 10^5)$   
 $53.36 \times 10^8$   
 $5.336 \times 10^9$

2)  $(3.6 \times 10^8) \times (2.6 \times 10^4)$   
 $(3.6 \times 2.6) \times (10^8 \times 10^4)$   
 $9.36 \times 10^{12}$   
 $9.36 \times 10^{12}$

3)  $(5.86 \times 10^6) \times (3.12 \times 10^{10})$   
 $(5.86 \times 3.12) \times (10^6 \times 10^{10})$   
 $18.2832 \times 10^{16}$   
 $1.82832 \times 10^{17}$

4)  $(5.8 \times 10^6) \times (3 \times 10^3)$   
 $(5.8 \times 3) \times (10^6 \times 10^3)$   
 $17.4 \times 10^9$   
 $1.74 \times 10^{10}$

5)  $(1.85 \times 10^3) \times (7.38 \times 10^5)$   
 $(1.85 \times 7.38) \times (10^3 \times 10^5)$   
 $13.653 \times 10^8$   
 $1.3653 \times 10^9$

6)  $(8.2 \times 10^4) \times (3.2 \times 10^6)$   
 $(8.2 \times 3.2) \times (10^4 \times 10^6)$   
 $26.24 \times 10^{10}$   
 $2.624 \times 10^{11}$

7)  $(8.3 \times 10^8) \times (1.5 \times 10^5)$   
 $(8.3 \times 1.5) \times (10^8 \times 10^5)$   
 $12.45 \times 10^{13}$   
 $1.245 \times 10^{14}$

8)  $(2 \times 10^{10}) \times (6.8 \times 10^8)$   
 $(2 \times 6.8) \times (10^{10} \times 10^8)$   
 $13.6 \times 10^{18}$   
 $1.36 \times 10^{19}$

9)  $(2.97 \times 10^3) \times (1.93 \times 10^5)$   
 $(2.97 \times 1.93) \times (10^3 \times 10^5)$   
 $5.7321 \times 10^8$   
 $5.7321 \times 10^8$

10)  $(6.1 \times 10^6) \times (5.75 \times 10^3)$   
 $(6.1 \times 5.75) \times (10^6 \times 10^3)$   
 $35.075 \times 10^9$   
 $3.5075 \times 10^{10}$

Answers

1.  $5.336 \times 10^9$

2.  $9.36 \times 10^{12}$

3.  $1.82832 \times 10^{17}$

4.  $1.74 \times 10^{10}$

5.  $1.3653 \times 10^9$

6.  $2.624 \times 10^{11}$

7.  $1.245 \times 10^{14}$

8.  $1.36 \times 10^{19}$

9.  $5.7321 \times 10^8$

10.  $3.5075 \times 10^{10}$



Solve each problem. Answer in scientific notation.

Answers

1)  $(5.9 \times 10^8) \times (5.88 \times 10^9)$

2)  $(9.3 \times 10^7) \times (8.3 \times 10^3)$

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

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

3)  $(6.2 \times 10^5) \times (9.7 \times 10^7)$

4)  $(5.9 \times 10^9) \times (6 \times 10^{10})$

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

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

5)  $(6.56 \times 10^5) \times (8.96 \times 10^{10})$

6)  $(9.04 \times 10^8) \times (5.9 \times 10^4)$

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

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

7)  $(1.6 \times 10^5) \times (1.1 \times 10^5)$

8)  $(9.09 \times 10^9) \times (8.54 \times 10^6)$

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

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

9)  $(2.6 \times 10^3) \times (7.2 \times 10^8)$

10)  $(9.4 \times 10^6) \times (2.9 \times 10^7)$

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

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



Solve each problem. Answer in scientific notation.

1)  $(5.9 \times 10^8) \times (5.88 \times 10^9)$   
 $(5.9 \times 5.88) \times (10^8 \times 10^9)$   
 $34.692 \times 10^{17}$   
 $3.4692 \times 10^{18}$

2)  $(9.3 \times 10^7) \times (8.3 \times 10^3)$   
 $(9.3 \times 8.3) \times (10^7 \times 10^3)$   
 $77.19 \times 10^{10}$   
 $7.719 \times 10^{11}$

3)  $(6.2 \times 10^5) \times (9.7 \times 10^7)$   
 $(6.2 \times 9.7) \times (10^5 \times 10^7)$   
 $60.14 \times 10^{12}$   
 $6.014 \times 10^{13}$

4)  $(5.9 \times 10^9) \times (6 \times 10^{10})$   
 $(5.9 \times 6) \times (10^9 \times 10^{10})$   
 $35.4 \times 10^{19}$   
 $3.54 \times 10^{20}$

5)  $(6.56 \times 10^5) \times (8.96 \times 10^{10})$   
 $(6.56 \times 8.96) \times (10^5 \times 10^{10})$   
 $58.7776 \times 10^{15}$   
 $5.87776 \times 10^{16}$

6)  $(9.04 \times 10^8) \times (5.9 \times 10^4)$   
 $(9.04 \times 5.9) \times (10^8 \times 10^4)$   
 $53.336 \times 10^{12}$   
 $5.3336 \times 10^{13}$

7)  $(1.6 \times 10^5) \times (1.1 \times 10^5)$   
 $(1.6 \times 1.1) \times (10^5 \times 10^5)$   
 $1.76 \times 10^{10}$   
 $1.76 \times 10^{10}$

8)  $(9.09 \times 10^9) \times (8.54 \times 10^6)$   
 $(9.09 \times 8.54) \times (10^9 \times 10^6)$   
 $77.6286 \times 10^{15}$   
 $7.76286 \times 10^{16}$

9)  $(2.6 \times 10^3) \times (7.2 \times 10^8)$   
 $(2.6 \times 7.2) \times (10^3 \times 10^8)$   
 $18.72 \times 10^{11}$   
 $1.872 \times 10^{12}$

10)  $(9.4 \times 10^6) \times (2.9 \times 10^7)$   
 $(9.4 \times 2.9) \times (10^6 \times 10^7)$   
 $27.26 \times 10^{13}$   
 $2.726 \times 10^{14}$

Answers

1.  $3.4692 \times 10^{18}$
2.  $7.719 \times 10^{11}$
3.  $6.014 \times 10^{13}$
4.  $3.54 \times 10^{20}$
5.  $5.87776 \times 10^{16}$
6.  $5.3336 \times 10^{13}$
7.  $1.76 \times 10^{10}$
8.  $7.76286 \times 10^{16}$
9.  $1.872 \times 10^{12}$
10.  $2.726 \times 10^{14}$



Solve each problem. Answer in scientific notation.

1)  $(4.56 \times 10^4) \times (9.6 \times 10^5)$

2)  $(1.73 \times 10^4) \times (6.55 \times 10^4)$

3)  $(9.7 \times 10^9) \times (3.3 \times 10^6)$

4)  $(9.5 \times 10^{10}) \times (8.8 \times 10^3)$

5)  $(1.3 \times 10^3) \times (5.1 \times 10^9)$

6)  $(6.09 \times 10^{10}) \times (6.7 \times 10^7)$

7)  $(5.21 \times 10^7) \times (7.07 \times 10^8)$

8)  $(1.91 \times 10^7) \times (8.71 \times 10^5)$

9)  $(5.5 \times 10^7) \times (1.6 \times 10^6)$

10)  $(5.9 \times 10^9) \times (3.27 \times 10^7)$

**Answers**

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

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

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

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

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

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

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

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

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

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



Solve each problem. Answer in scientific notation.

1)  $(4.56 \times 10^4) \times (9.6 \times 10^5)$   
 $(4.56 \times 9.6) \times (10^4 \times 10^5)$   
 $43.776 \times 10^9$   
 $4.3776 \times 10^{10}$

2)  $(1.73 \times 10^4) \times (6.55 \times 10^4)$   
 $(1.73 \times 6.55) \times (10^4 \times 10^4)$   
 $11.3315 \times 10^8$   
 $1.13315 \times 10^9$

3)  $(9.7 \times 10^9) \times (3.3 \times 10^6)$   
 $(9.7 \times 3.3) \times (10^9 \times 10^6)$   
 $32.01 \times 10^{15}$   
 $3.201 \times 10^{16}$

4)  $(9.5 \times 10^{10}) \times (8.8 \times 10^3)$   
 $(9.5 \times 8.8) \times (10^{10} \times 10^3)$   
 $83.6 \times 10^{13}$   
 $8.36 \times 10^{14}$

5)  $(1.3 \times 10^3) \times (5.1 \times 10^9)$   
 $(1.3 \times 5.1) \times (10^3 \times 10^9)$   
 $6.63 \times 10^{12}$   
 $6.63 \times 10^{12}$

6)  $(6.09 \times 10^{10}) \times (6.7 \times 10^7)$   
 $(6.09 \times 6.7) \times (10^{10} \times 10^7)$   
 $40.803 \times 10^{17}$   
 $4.0803 \times 10^{18}$

7)  $(5.21 \times 10^7) \times (7.07 \times 10^8)$   
 $(5.21 \times 7.07) \times (10^7 \times 10^8)$   
 $36.8347 \times 10^{15}$   
 $3.68347 \times 10^{16}$

8)  $(1.91 \times 10^7) \times (8.71 \times 10^5)$   
 $(1.91 \times 8.71) \times (10^7 \times 10^5)$   
 $16.6361 \times 10^{12}$   
 $1.66361 \times 10^{13}$

9)  $(5.5 \times 10^7) \times (1.6 \times 10^6)$   
 $(5.5 \times 1.6) \times (10^7 \times 10^6)$   
 $8.8 \times 10^{13}$   
 $8.8 \times 10^{13}$

10)  $(5.9 \times 10^9) \times (3.27 \times 10^7)$   
 $(5.9 \times 3.27) \times (10^9 \times 10^7)$   
 $19.293 \times 10^{16}$   
 $1.9293 \times 10^{17}$

Answers

1.  $4.3776 \times 10^{10}$

2.  $1.13315 \times 10^9$

3.  $3.201 \times 10^{16}$

4.  $8.36 \times 10^{14}$

5.  $6.63 \times 10^{12}$

6.  $4.0803 \times 10^{18}$

7.  $3.68347 \times 10^{16}$

8.  $1.66361 \times 10^{13}$

9.  $8.8 \times 10^{13}$

10.  $1.9293 \times 10^{17}$



Solve each problem. Answer in scientific notation.

1)  $(5.5 \times 10^5) \times (2.2 \times 10^5)$

2)  $(6.03 \times 10^3) \times (7.66 \times 10^6)$

3)  $(3.31 \times 10^9) \times (8.44 \times 10^7)$

4)  $(2.7 \times 10^5) \times (4.66 \times 10^{10})$

5)  $(8.2 \times 10^7) \times (3.8 \times 10^7)$

6)  $(1 \times 10^7) \times (5.3 \times 10^4)$

7)  $(4.27 \times 10^5) \times (8.82 \times 10^{10})$

8)  $(3.27 \times 10^4) \times (5.54 \times 10^8)$

9)  $(5.4 \times 10^9) \times (6.1 \times 10^7)$

10)  $(1.8 \times 10^8) \times (4.4 \times 10^7)$

**Answers**

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

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

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

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

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

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

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

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

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

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



Solve each problem. Answer in scientific notation.

1)  $(5.5 \times 10^5) \times (2.2 \times 10^5)$   
 $(5.5 \times 2.2) \times (10^5 \times 10^5)$   
 $12.1 \times 10^{10}$   
 $1.21 \times 10^{11}$

2)  $(6.03 \times 10^3) \times (7.66 \times 10^6)$   
 $(6.03 \times 7.66) \times (10^3 \times 10^6)$   
 $46.1898 \times 10^9$   
 $4.61898 \times 10^{10}$

3)  $(3.31 \times 10^9) \times (8.44 \times 10^7)$   
 $(3.31 \times 8.44) \times (10^9 \times 10^7)$   
 $27.9364 \times 10^{16}$   
 $2.79364 \times 10^{17}$

4)  $(2.7 \times 10^5) \times (4.66 \times 10^{10})$   
 $(2.7 \times 4.66) \times (10^5 \times 10^{10})$   
 $12.582 \times 10^{15}$   
 $1.2582 \times 10^{16}$

5)  $(8.2 \times 10^7) \times (3.8 \times 10^7)$   
 $(8.2 \times 3.8) \times (10^7 \times 10^7)$   
 $31.16 \times 10^{14}$   
 $3.116 \times 10^{15}$

6)  $(1 \times 10^7) \times (5.3 \times 10^4)$   
 $(1 \times 5.3) \times (10^7 \times 10^4)$   
 $5.3 \times 10^{11}$   
 $5.3 \times 10^{11}$

7)  $(4.27 \times 10^5) \times (8.82 \times 10^{10})$   
 $(4.27 \times 8.82) \times (10^5 \times 10^{10})$   
 $37.6614 \times 10^{15}$   
 $3.76614 \times 10^{16}$

8)  $(3.27 \times 10^4) \times (5.54 \times 10^8)$   
 $(3.27 \times 5.54) \times (10^4 \times 10^8)$   
 $18.1158 \times 10^{12}$   
 $1.81158 \times 10^{13}$

9)  $(5.4 \times 10^9) \times (6.1 \times 10^7)$   
 $(5.4 \times 6.1) \times (10^9 \times 10^7)$   
 $32.94 \times 10^{16}$   
 $3.294 \times 10^{17}$

10)  $(1.8 \times 10^8) \times (4.4 \times 10^7)$   
 $(1.8 \times 4.4) \times (10^8 \times 10^7)$   
 $7.92 \times 10^{15}$   
 $7.92 \times 10^{15}$

Answers

1.  $1.21 \times 10^{11}$

2.  $4.61898 \times 10^{10}$

3.  $2.79364 \times 10^{17}$

4.  $1.2582 \times 10^{16}$

5.  $3.116 \times 10^{15}$

6.  $5.3 \times 10^{11}$

7.  $3.76614 \times 10^{16}$

8.  $1.81158 \times 10^{13}$

9.  $3.294 \times 10^{17}$

10.  $7.92 \times 10^{15}$





Solve each problem. Answer in scientific notation.

1)  $(4.4 \times 10^6) \times (8.8 \times 10^6)$

2)  $(8.51 \times 10^3) \times (3.7 \times 10^7)$

3)  $(8.78 \times 10^7) \times (2.28 \times 10^6)$

4)  $(5.3 \times 10^6) \times (1.7 \times 10^6)$

5)  $(7.12 \times 10^8) \times (9.6 \times 10^{10})$

6)  $(3.3 \times 10^4) \times (8.3 \times 10^4)$

7)  $(9.8 \times 10^{10}) \times (2.1 \times 10^8)$

8)  $(6.1 \times 10^9) \times (6.5 \times 10^{10})$

9)  $(9.3 \times 10^8) \times (3.4 \times 10^7)$

10)  $(8.94 \times 10^9) \times (2.41 \times 10^7)$

**Answers**

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

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

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

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

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

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

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

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

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

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



Solve each problem. Answer in scientific notation.

1)  $(4.4 \times 10^6) \times (8.8 \times 10^6)$

$(4.4 \times 8.8) \times (10^6 \times 10^6)$

$38.72 \times 10^{12}$

$3.872 \times 10^{13}$

2)  $(8.51 \times 10^3) \times (3.7 \times 10^7)$

$(8.51 \times 3.7) \times (10^3 \times 10^7)$

$31.487 \times 10^{10}$

$3.1487 \times 10^{11}$

3)  $(8.78 \times 10^7) \times (2.28 \times 10^6)$

$(8.78 \times 2.28) \times (10^7 \times 10^6)$

$20.0184 \times 10^{13}$

$2.00184 \times 10^{14}$

4)  $(5.3 \times 10^6) \times (1.7 \times 10^6)$

$(5.3 \times 1.7) \times (10^6 \times 10^6)$

$9.01 \times 10^{12}$

$9.01 \times 10^{12}$

5)  $(7.12 \times 10^8) \times (9.6 \times 10^{10})$

$(7.12 \times 9.6) \times (10^8 \times 10^{10})$

$68.352 \times 10^{18}$

$6.8352 \times 10^{19}$

6)  $(3.3 \times 10^4) \times (8.3 \times 10^4)$

$(3.3 \times 8.3) \times (10^4 \times 10^4)$

$27.39 \times 10^8$

$2.739 \times 10^9$

7)  $(9.8 \times 10^{10}) \times (2.1 \times 10^8)$

$(9.8 \times 2.1) \times (10^{10} \times 10^8)$

$20.58 \times 10^{18}$

$2.058 \times 10^{19}$

8)  $(6.1 \times 10^9) \times (6.5 \times 10^{10})$

$(6.1 \times 6.5) \times (10^9 \times 10^{10})$

$39.65 \times 10^{19}$

$3.965 \times 10^{20}$

9)  $(9.3 \times 10^8) \times (3.4 \times 10^7)$

$(9.3 \times 3.4) \times (10^8 \times 10^7)$

$31.62 \times 10^{15}$

$3.162 \times 10^{16}$

10)  $(8.94 \times 10^9) \times (2.41 \times 10^7)$

$(8.94 \times 2.41) \times (10^9 \times 10^7)$

$21.5454 \times 10^{16}$

$2.15454 \times 10^{17}$

Answers

1.  $3.872 \times 10^{13}$

2.  $3.1487 \times 10^{11}$

3.  $2.00184 \times 10^{14}$

4.  $9.01 \times 10^{12}$

5.  $6.8352 \times 10^{19}$

6.  $2.739 \times 10^9$

7.  $2.058 \times 10^{19}$

8.  $3.965 \times 10^{20}$

9.  $3.162 \times 10^{16}$

10.  $2.15454 \times 10^{17}$



Solve each problem. Answer in scientific notation.

1)  $(5.9 \times 10^7) \times (4.4 \times 10^{10})$

2)  $(4.3 \times 10^6) \times (9.8 \times 10^4)$

3)  $(2.9 \times 10^4) \times (5.81 \times 10^3)$

4)  $(3.8 \times 10^9) \times (5.35 \times 10^9)$

5)  $(7.56 \times 10^{10}) \times (3.73 \times 10^6)$

6)  $(5.74 \times 10^3) \times (6.35 \times 10^6)$

7)  $(6.6 \times 10^8) \times (5.2 \times 10^{10})$

8)  $(3.6 \times 10^3) \times (8.6 \times 10^5)$

9)  $(8.29 \times 10^9) \times (1.8 \times 10^{10})$

10)  $(8.82 \times 10^8) \times (1.59 \times 10^7)$

**Answers**

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

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

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

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

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

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

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

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

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

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



Solve each problem. Answer in scientific notation.

1)  $(5.9 \times 10^7) \times (4.4 \times 10^{10})$

$(5.9 \times 4.4) \times (10^7 \times 10^{10})$

$25.96 \times 10^{17}$

$2.596 \times 10^{18}$

2)  $(4.3 \times 10^6) \times (9.8 \times 10^4)$

$(4.3 \times 9.8) \times (10^6 \times 10^4)$

$42.14 \times 10^{10}$

$4.214 \times 10^{11}$

3)  $(2.9 \times 10^4) \times (5.81 \times 10^3)$

$(2.9 \times 5.81) \times (10^4 \times 10^3)$

$16.849 \times 10^7$

$1.6849 \times 10^8$

4)  $(3.8 \times 10^9) \times (5.35 \times 10^9)$

$(3.8 \times 5.35) \times (10^9 \times 10^9)$

$20.33 \times 10^{18}$

$2.033 \times 10^{19}$

5)  $(7.56 \times 10^{10}) \times (3.73 \times 10^6)$

$(7.56 \times 3.73) \times (10^{10} \times 10^6)$

$28.1988 \times 10^{16}$

$2.81988 \times 10^{17}$

6)  $(5.74 \times 10^3) \times (6.35 \times 10^6)$

$(5.74 \times 6.35) \times (10^3 \times 10^6)$

$36.449 \times 10^9$

$3.6449 \times 10^{10}$

7)  $(6.6 \times 10^8) \times (5.2 \times 10^{10})$

$(6.6 \times 5.2) \times (10^8 \times 10^{10})$

$34.32 \times 10^{18}$

$3.432 \times 10^{19}$

8)  $(3.6 \times 10^3) \times (8.6 \times 10^5)$

$(3.6 \times 8.6) \times (10^3 \times 10^5)$

$30.96 \times 10^8$

$3.096 \times 10^9$

9)  $(8.29 \times 10^9) \times (1.8 \times 10^{10})$

$(8.29 \times 1.8) \times (10^9 \times 10^{10})$

$14.922 \times 10^{19}$

$1.4922 \times 10^{20}$

10)  $(8.82 \times 10^8) \times (1.59 \times 10^7)$

$(8.82 \times 1.59) \times (10^8 \times 10^7)$

$14.0238 \times 10^{15}$

$1.40238 \times 10^{16}$

Answers

1.  $2.596 \times 10^{18}$

2.  $4.214 \times 10^{11}$

3.  $1.6849 \times 10^8$

4.  $2.033 \times 10^{19}$

5.  $2.81988 \times 10^{17}$

6.  $3.6449 \times 10^{10}$

7.  $3.432 \times 10^{19}$

8.  $3.096 \times 10^9$

9.  $1.4922 \times 10^{20}$

10.  $1.40238 \times 10^{16}$