



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.  $1.9293 \times 10^{17}$