



Multiplying with Scientific Notation

Name: _____

Solve each problem. Answer in scientific notation.

1) $(2.19 \times 10^7) \times (3.08 \times 10^3)$

2) $(8.3 \times 10^4) \times (4.8 \times 10^3)$

3) $(8.4 \times 10^5) \times (7 \times 10^6)$

4) $(6.88 \times 10^6) \times (6.46 \times 10^8)$

5) $(8.3 \times 10^7) \times (5.2 \times 10^4)$

6) $(9.66 \times 10^6) \times (3.86 \times 10^3)$

7) $(5.8 \times 10^8) \times (8.39 \times 10^9)$

8) $(8.17 \times 10^8) \times (6.58 \times 10^3)$

9) $(3.2 \times 10^5) \times (1 \times 10^{10})$

10) $(6 \times 10^9) \times (3.03 \times 10^6)$

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) $(2.19 \times 10^7) \times (3.08 \times 10^3)$
 $(2.19 \times 3.08) \times (10^7 \times 10^3)$
 6.7452×10^{10}
 6.7452×10^{10}

2) $(8.3 \times 10^4) \times (4.8 \times 10^3)$
 $(8.3 \times 4.8) \times (10^4 \times 10^3)$
 39.84×10^7
 3.984×10^8

3) $(8.4 \times 10^5) \times (7 \times 10^6)$
 $(8.4 \times 7) \times (10^5 \times 10^6)$
 58.8×10^{11}
 5.88×10^{12}

4) $(6.88 \times 10^6) \times (6.46 \times 10^8)$
 $(6.88 \times 6.46) \times (10^6 \times 10^8)$
 44.4448×10^{14}
 4.44448×10^{15}

5) $(8.3 \times 10^7) \times (5.2 \times 10^4)$
 $(8.3 \times 5.2) \times (10^7 \times 10^4)$
 43.16×10^{11}
 4.316×10^{12}

6) $(9.66 \times 10^6) \times (3.86 \times 10^3)$
 $(9.66 \times 3.86) \times (10^6 \times 10^3)$
 37.2876×10^9
 3.72876×10^{10}

7) $(5.8 \times 10^8) \times (8.39 \times 10^9)$
 $(5.8 \times 8.39) \times (10^8 \times 10^9)$
 48.662×10^{17}
 4.8662×10^{18}

8) $(8.17 \times 10^8) \times (6.58 \times 10^3)$
 $(8.17 \times 6.58) \times (10^8 \times 10^3)$
 53.7586×10^{11}
 5.37586×10^{12}

9) $(3.2 \times 10^5) \times (1 \times 10^{10})$
 $(3.2 \times 1) \times (10^5 \times 10^{10})$
 3.2×10^{15}
 3.2×10^{15}

10) $(6 \times 10^9) \times (3.03 \times 10^6)$
 $(6 \times 3.03) \times (10^9 \times 10^6)$
 18.18×10^{15}
 1.818×10^{16}

Answers

- | | |
|-----|--------------------------|
| 1. | 6.7452×10^{10} |
| 2. | 3.984×10^8 |
| 3. | 5.88×10^{12} |
| 4. | 4.44448×10^{15} |
| 5. | 4.316×10^{12} |
| 6. | 3.72876×10^{10} |
| 7. | 4.8662×10^{18} |
| 8. | 5.37586×10^{12} |
| 9. | 3.2×10^{15} |
| 10. | 1.818×10^{16} |