

Multiplying with Scientific Notation

Name: _____

Solve each problem. Answer in scientific notation.

1) $(2.46 \times 10^7) \times (4.55 \times 10^9)$

2) $(9.36 \times 10^4) \times (3.68 \times 10^{10})$

3) $(9.9 \times 10^3) \times (2.3 \times 10^8)$

4) $(5 \times 10^7) \times (9.8 \times 10^6)$

5) $(6.2 \times 10^4) \times (5.3 \times 10^8)$

6) $(1.5 \times 10^7) \times (6.3 \times 10^7)$

7) $(6.8 \times 10^4) \times (2 \times 10^{10})$

8) $(2.86 \times 10^4) \times (3.13 \times 10^7)$

9) $(4.8 \times 10^7) \times (4.7 \times 10^4)$

10) $(3.96 \times 10^7) \times (5.65 \times 10^8)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

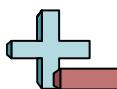
6. _____

7. _____

8. _____

9. _____

10. _____



Multiplying with Scientific Notation

Name: **Answer Key**

Solve each problem. Answer in scientific notation.

1) $(2.46 \times 10^7) \times (4.55 \times 10^9)$
 $(2.46 \times 4.55) \times (10^7 \times 10^9)$
 11.193×10^{16}
 1.1193×10^{17}

2) $(9.36 \times 10^4) \times (3.68 \times 10^{10})$
 $(9.36 \times 3.68) \times (10^4 \times 10^{10})$
 34.4448×10^{14}
 3.44448×10^{15}

3) $(9.9 \times 10^3) \times (2.3 \times 10^8)$
 $(9.9 \times 2.3) \times (10^3 \times 10^8)$
 22.77×10^{11}
 2.277×10^{12}

4) $(5 \times 10^7) \times (9.8 \times 10^6)$
 $(5 \times 9.8) \times (10^7 \times 10^6)$
 49×10^{13}
 4.9×10^{14}

5) $(6.2 \times 10^4) \times (5.3 \times 10^8)$
 $(6.2 \times 5.3) \times (10^4 \times 10^8)$
 32.86×10^{12}
 3.286×10^{13}

6) $(1.5 \times 10^7) \times (6.3 \times 10^7)$
 $(1.5 \times 6.3) \times (10^7 \times 10^7)$
 9.45×10^{14}
 9.45×10^{14}

7) $(6.8 \times 10^4) \times (2 \times 10^{10})$
 $(6.8 \times 2) \times (10^4 \times 10^{10})$
 13.6×10^{14}
 1.36×10^{15}

8) $(2.86 \times 10^4) \times (3.13 \times 10^7)$
 $(2.86 \times 3.13) \times (10^4 \times 10^7)$
 8.9518×10^{11}
 8.9518×10^{11}

9) $(4.8 \times 10^7) \times (4.7 \times 10^4)$
 $(4.8 \times 4.7) \times (10^7 \times 10^4)$
 22.56×10^{11}
 2.256×10^{12}

10) $(3.96 \times 10^7) \times (5.65 \times 10^8)$
 $(3.96 \times 5.65) \times (10^7 \times 10^8)$
 22.374×10^{15}
 2.2374×10^{16}

Answers

1. **1.1193×10^{17}**
2. **3.44448×10^{15}**
3. **2.277×10^{12}**
4. **4.9×10^{14}**
5. **3.286×10^{13}**
6. **9.45×10^{14}**
7. **1.36×10^{15}**
8. **8.9518×10^{11}**
9. **2.256×10^{12}**
10. **2.2374×10^{16}**