

Multiplying with Scientific Notation

Name: _____

Solve each problem. Answer in scientific notation.

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

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

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

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

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

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

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

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

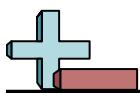
6. _____

7. _____

8. _____

9. _____

10. _____



Multiplying with Scientific Notation

Name: **Answer Key**

Solve each problem. Answer in scientific notation.

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

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

41.28×10^{11}

4.128×10^{12}

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

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

20.88×10^{13}

2.088×10^{14}

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

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

1.6×10^{13}

1.6×10^{13}

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

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

7.7×10^{12}

7.7×10^{12}

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

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

51.8896×10^{19}

5.18896×10^{20}

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

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

17.199×10^{11}

1.7199×10^{12}

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

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

41.811×10^9

4.1811×10^{10}

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

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

24.44×10^{13}

2.444×10^{14}

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

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

8.1×10^8

8.1×10^8

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

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

38.0844×10^{18}

3.80844×10^{19}

Answers

1. 4.128×10^{12}

2. 2.088×10^{14}

3. 1.6×10^{13}

4. 7.7×10^{12}

5. 5.18896×10^{20}

6. 1.7199×10^{12}

7. 4.1811×10^{10}

8. 2.444×10^{14}

9. 8.1×10^8

10. 3.80844×10^{19}