

Multiplying with Scientific Notation

Name: _____

Solve each problem. Answer in scientific notation.

1) $(4.3 \times 10^9) \times (6.5 \times 10^4)$

2) $(8.5 \times 10^6) \times (9.3 \times 10^9)$

3) $(6.7 \times 10^3) \times (3.4 \times 10^5)$

4) $(4.58 \times 10^7) \times (8.49 \times 10^3)$

5) $(9.2 \times 10^{10}) \times (3.13 \times 10^7)$

6) $(3.27 \times 10^6) \times (5.33 \times 10^5)$

7) $(1.97 \times 10^7) \times (1.17 \times 10^8)$

8) $(8.2 \times 10^3) \times (1.1 \times 10^7)$

9) $(6.5 \times 10^{10}) \times (2.7 \times 10^9)$

10) $(6.87 \times 10^4) \times (8.87 \times 10^6)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

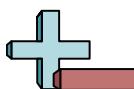
6. _____

7. _____

8. _____

9. _____

10. _____



Multiplying with Scientific Notation

Name: **Answer Key**

Solve each problem. Answer in scientific notation.

1) $(4.3 \times 10^9) \times (6.5 \times 10^4)$

$(4.3 \times 6.5) \times (10^9 \times 10^4)$

27.95×10^{13}

2.795×10^{14}

2) $(8.5 \times 10^6) \times (9.3 \times 10^9)$

$(8.5 \times 9.3) \times (10^6 \times 10^9)$

79.05×10^{15}

7.905×10^{16}

3) $(6.7 \times 10^3) \times (3.4 \times 10^5)$

$(6.7 \times 3.4) \times (10^3 \times 10^5)$

22.78×10^8

2.278×10^9

4) $(4.58 \times 10^7) \times (8.49 \times 10^3)$

$(4.58 \times 8.49) \times (10^7 \times 10^3)$

38.8842×10^{10}

3.88842×10^{11}

5) $(9.2 \times 10^{10}) \times (3.13 \times 10^7)$

$(9.2 \times 3.13) \times (10^{10} \times 10^7)$

28.796×10^{17}

2.8796×10^{18}

6) $(3.27 \times 10^6) \times (5.33 \times 10^5)$

$(3.27 \times 5.33) \times (10^6 \times 10^5)$

17.4291×10^{11}

1.74291×10^{12}

7) $(1.97 \times 10^7) \times (1.17 \times 10^8)$

$(1.97 \times 1.17) \times (10^7 \times 10^8)$

2.3049×10^{15}

2.3049×10^{15}

8) $(8.2 \times 10^3) \times (1.1 \times 10^7)$

$(8.2 \times 1.1) \times (10^3 \times 10^7)$

9.02×10^{10}

9.02×10^{10}

9) $(6.5 \times 10^{10}) \times (2.7 \times 10^9)$

$(6.5 \times 2.7) \times (10^{10} \times 10^9)$

17.55×10^{19}

1.755×10^{20}

10) $(6.87 \times 10^4) \times (8.87 \times 10^6)$

$(6.87 \times 8.87) \times (10^4 \times 10^6)$

60.9369×10^{10}

6.09369×10^{11}

Answers

1. 2.795×10^{14}

2. 7.905×10^{16}

3. 2.278×10^9

4. 3.88842×10^{11}

5. 2.8796×10^{18}

6. 1.74291×10^{12}

7. 2.3049×10^{15}

8. 9.02×10^{10}

9. 1.755×10^{20}

10. 6.09369×10^{11}