



Multiplying with Scientific Notation

Name: _____

Solve each problem. Answer in scientific notation.

1) $(6.4 \times 10^8) \times (8.6 \times 10^7)$

2) $(5.1 \times 10^8) \times (1.3 \times 10^5)$

3) $(8.18 \times 10^7) \times (2.88 \times 10^9)$

4) $(3.7 \times 10^5) \times (1.45 \times 10^{10})$

5) $(5 \times 10^7) \times (3.7 \times 10^9)$

6) $(9.1 \times 10^9) \times (1 \times 10^8)$

7) $(8.49 \times 10^3) \times (6.45 \times 10^5)$

8) $(8.79 \times 10^8) \times (3.99 \times 10^5)$

9) $(7.9 \times 10^9) \times (3 \times 10^5)$

10) $(5.7 \times 10^4) \times (4.7 \times 10^3)$

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) $(6.4 \times 10^8) \times (8.6 \times 10^7)$

$(6.4 \times 8.6) \times (10^8 \times 10^7)$

55.04×10^{15}

5.504×10^{16}

2) $(5.1 \times 10^8) \times (1.3 \times 10^5)$

$(5.1 \times 1.3) \times (10^8 \times 10^5)$

6.63×10^{13}

6.63×10^{13}

3) $(8.18 \times 10^7) \times (2.88 \times 10^9)$

$(8.18 \times 2.88) \times (10^7 \times 10^9)$

23.5584×10^{16}

2.35584×10^{17}

4) $(3.7 \times 10^5) \times (1.45 \times 10^{10})$

$(3.7 \times 1.45) \times (10^5 \times 10^{10})$

5.365×10^{15}

5.365×10^{15}

5) $(5 \times 10^7) \times (3.7 \times 10^9)$

$(5 \times 3.7) \times (10^7 \times 10^9)$

18.5×10^{16}

1.85×10^{17}

6) $(9.1 \times 10^9) \times (1 \times 10^8)$

$(9.1 \times 1) \times (10^9 \times 10^8)$

9.1×10^{17}

9.1×10^{17}

7) $(8.49 \times 10^3) \times (6.45 \times 10^5)$

$(8.49 \times 6.45) \times (10^3 \times 10^5)$

54.7605×10^8

5.47605×10^9

8) $(8.79 \times 10^8) \times (3.99 \times 10^5)$

$(8.79 \times 3.99) \times (10^8 \times 10^5)$

35.0721×10^{13}

3.50721×10^{14}

9) $(7.9 \times 10^9) \times (3 \times 10^5)$

$(7.9 \times 3) \times (10^9 \times 10^5)$

23.7×10^{14}

2.37×10^{15}

10) $(5.7 \times 10^4) \times (4.7 \times 10^3)$

$(5.7 \times 4.7) \times (10^4 \times 10^3)$

26.79×10^7

2.679×10^8

Answers

1. 5.504×10^{16}

2. 6.63×10^{13}

3. 2.35584×10^{17}

4. 5.365×10^{15}

5. 1.85×10^{17}

6. 9.1×10^{17}

7. 5.47605×10^9

8. 3.50721×10^{14}

9. 2.37×10^{15}

10. 2.679×10^8