Multiplying with Scientific Notation

Name:

Solve each problem. Answer in scientific notation.

1) $(8.05 \times 10^{10}) \times (7.95 \times 10^4)$

2) $(3.16 \times 10^9) \times (3.31 \times 10^5)$

3) $(6.4 \times 10^7) \times (4.7 \times 10^5)$

4) $(2.6 \times 10^5) \times (4.43 \times 10^9)$

5) $(9.3 \times 10^7) \times (5.3 \times 10^9)$

6) $(2.7 \times 10^9) \times (2.3 \times 10^9)$

7) $(3.85 \times 10^{10}) \times (8.43 \times 10^8)$

8) $(5.3 \times 10^9) \times (4.1 \times 10^9)$

9) $(4.7 \times 10^4) \times (3.8 \times 10^5)$

10) $(1.4 \times 10^5) \times (5.8 \times 10^4)$

Math
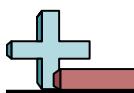
Multiplying with Scientific Notation   Name: **Answer Key**

Solve each problem. Answer in scientific notation.

Answers

1) $(8.05\times10^{10}) \times (7.95\times10^4)$
$(8.05\times7.95) \times (10^{10}\times10^4)$
63.9975×10^{14}
6.39975×10^{15}

2) $(3.16\times10^9) \times (3.31\times10^5)$
$(3.16\times3.31) \times (10^9\times10^5)$
10.4596×10^{14}
1.04596×10^{15}

3) $(6.4\times10^7) \times (4.7\times10^5)$
$(6.4\times4.7) \times (10^7\times10^5)$
30.08×10^{12}
3.008×10^{13}

4) $(2.6\times10^5) \times (4.43\times10^9)$
$(2.6\times4.43) \times (10^5\times10^9)$
11.518×10^{14}
1.1518×10^{15}

5) $(9.3\times10^7) \times (5.3\times10^9)$
$(9.3\times5.3) \times (10^7\times10^9)$
49.29×10^{16}
4.929×10^{17}

6) $(2.7\times10^9) \times (2.3\times10^9)$
$(2.7\times2.3) \times (10^9\times10^9)$
6.21×10^{18}
6.21×10^{18}

7) $(3.85\times10^{10}) \times (8.43\times10^8)$
$(3.85\times8.43) \times (10^{10}\times10^8)$
32.4555×10^{18}
3.24555×10^{19}

8) $(5.3\times10^9) \times (4.1\times10^9)$
$(5.3\times4.1) \times (10^9\times10^9)$
21.73×10^{18}
2.173×10^{19}

9) $(4.7\times10^4) \times (3.8\times10^5)$
$(4.7\times3.8) \times (10^4\times10^5)$
17.86×10^9
1.786×10^{10}

10) $(1.4\times10^5) \times (5.8\times10^4)$
$(1.4\times5.8) \times (10^5\times10^4)$
8.12×10^9
8.12×10^9

1. 6.39975×10^{15}
2. 1.04596×10^{15}
3. 3.008×10^{13}
4. 1.1518×10^{15}
5. 4.929×10^{17}
6. 6.21×10^{18}
7. 3.24555×10^{19}
8. 2.173×10^{19}
9. 1.786×10^{10}
10. 8.12×10^9

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1-10 | 90 | 80 | 70 | 60 | 50 | 40 | 30 | 20 | 10 | 0