Multiplying with Scientific Notation   Name: _____

Solve each problem. Answer in scientific notation.

1) $(8.2 \times 10^6) \times (4.2 \times 10^9)$

2) $(5.5 \times 10^{10}) \times (7.62 \times 10^{10})$

3) $(7.82 \times 10^{10}) \times (1.88 \times 10^9)$

4) $(7.8 \times 10^6) \times (6.8 \times 10^8)$

5) $(5.3 \times 10^3) \times (6.1 \times 10^6)$

6) $(4.1 \times 10^{10}) \times (4.28 \times 10^7)$

7) $(3.22 \times 10^3) \times (7.38 \times 10^5)$

8) $(1.03 \times 10^3) \times (8.51 \times 10^6)$

9) $(5 \times 10^{10}) \times (8.35 \times 10^9)$

10) $(4.3 \times 10^3) \times (1.2 \times 10^5)$

Math

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Name:

Solve each problem. Answer in scientific notation.

Answers

1) $(8.2 \times 10^6) \times (4.2 \times 10^9)$

$(8.2 \times 4.2) \times (10^6 \times 10^9)$

34.44×10^{15}

3.444×10^{16}

2) $(5.5 \times 10^{10}) \times (7.62 \times 10^{10})$

$(5.5 \times 7.62) \times (10^{10} \times 10^{10})$

41.91×10^{20}

4.191×10^{21}

1. 3.444×10^{16}

2. 4.191×10^{21}

3. 1.47016×10^{20}

4. 5.304×10^{15}

3) $(7.82 \times 10^{10}) \times (1.88 \times 10^9)$

$(7.82 \times 1.88) \times (10^{10} \times 10^9)$

14.7016×10^{19}

1.47016×10^{20}

4) $(7.8 \times 10^6) \times (6.8 \times 10^8)$

$(7.8 \times 6.8) \times (10^6 \times 10^8)$

53.04×10^{14}

5.304×10^{15}

5. 3.233×10^{10}

6. 1.7548×10^{18}

7. 2.37636×10^9

8. 8.7653×10^9

5) $(5.3 \times 10^3) \times (6.1 \times 10^6)$

$(5.3 \times 6.1) \times (10^3 \times 10^6)$

32.33×10^9

3.233×10^{10}

6) $(4.1 \times 10^{10}) \times (4.28 \times 10^7)$

$(4.1 \times 4.28) \times (10^{10} \times 10^7)$

17.548×10^{17}

1.7548×10^{18}

9. 4.175×10^{20}

10. 5.16×10^8

7) $(3.22 \times 10^3) \times (7.38 \times 10^5)$

$(3.22 \times 7.38) \times (10^3 \times 10^5)$

23.7636×10^8

2.37636×10^9

8) $(1.03 \times 10^3) \times (8.51 \times 10^6)$

$(1.03 \times 8.51) \times (10^3 \times 10^6)$

8.7653×10^9

8.7653×10^9

9) $(5 \times 10^{10}) \times (8.35 \times 10^9)$

$(5 \times 8.35) \times (10^{10} \times 10^9)$

41.75×10^{19}

4.175×10^{20}

10) $(4.3 \times 10^3) \times (1.2 \times 10^5)$

$(4.3 \times 1.2) \times (10^3 \times 10^5)$

5.16×10^8

5.16×10^8

Math