



Solve each problem. Answer in scientific notation.

1) $(4.49 \times 10^{10}) \times (1.81 \times 10^{10})$

2) $(1.83 \times 10^{10}) \times (3.9 \times 10^{10})$

3) $(8.44 \times 10^{10}) \times (8.99 \times 10^8)$

4) $(4.4 \times 10^9) \times (1.9 \times 10^7)$

5) $(7.71 \times 10^8) \times (6.95 \times 10^5)$

6) $(7.5 \times 10^{10}) \times (4.9 \times 10^7)$

7) $(1.31 \times 10^6) \times (3.09 \times 10^3)$

8) $(3.2 \times 10^3) \times (5.8 \times 10^{10})$

9) $(5.8 \times 10^9) \times (9.5 \times 10^6)$

10) $(8.6 \times 10^9) \times (5.6 \times 10^3)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

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8. _____

9. _____

10. _____



Solve each problem. Answer in scientific notation.

1) $(4.49 \times 10^{10}) \times (1.81 \times 10^{10})$
 $(4.49 \times 1.81) \times (10^{10} \times 10^{10})$
 8.1269×10^{20}
 8.1269×10^{20}

2) $(1.83 \times 10^{10}) \times (3.9 \times 10^{10})$
 $(1.83 \times 3.9) \times (10^{10} \times 10^{10})$
 7.137×10^{20}
 7.137×10^{20}

3) $(8.44 \times 10^{10}) \times (8.99 \times 10^8)$
 $(8.44 \times 8.99) \times (10^{10} \times 10^8)$
 75.8756×10^{18}
 7.58756×10^{19}

4) $(4.4 \times 10^9) \times (1.9 \times 10^7)$
 $(4.4 \times 1.9) \times (10^9 \times 10^7)$
 8.36×10^{16}
 8.36×10^{16}

5) $(7.71 \times 10^8) \times (6.95 \times 10^5)$
 $(7.71 \times 6.95) \times (10^8 \times 10^5)$
 53.5845×10^{13}
 5.35845×10^{14}

6) $(7.5 \times 10^{10}) \times (4.9 \times 10^7)$
 $(7.5 \times 4.9) \times (10^{10} \times 10^7)$
 36.75×10^{17}
 3.675×10^{18}

7) $(1.31 \times 10^6) \times (3.09 \times 10^3)$
 $(1.31 \times 3.09) \times (10^6 \times 10^3)$
 4.0479×10^9
 4.0479×10^9

8) $(3.2 \times 10^3) \times (5.8 \times 10^{10})$
 $(3.2 \times 5.8) \times (10^3 \times 10^{10})$
 18.56×10^{13}
 1.856×10^{14}

9) $(5.8 \times 10^9) \times (9.5 \times 10^6)$
 $(5.8 \times 9.5) \times (10^9 \times 10^6)$
 55.1×10^{15}
 5.51×10^{16}

10) $(8.6 \times 10^9) \times (5.6 \times 10^3)$
 $(8.6 \times 5.6) \times (10^9 \times 10^3)$
 48.16×10^{12}
 4.816×10^{13}

Answers

1. 8.1269×10^{20}
2. 7.137×10^{20}
3. 7.58756×10^{19}
4. 8.36×10^{16}
5. 5.35845×10^{14}
6. 3.675×10^{18}
7. 4.0479×10^9
8. 1.856×10^{14}
9. 5.51×10^{16}
10. 4.816×10^{13}



Solve each problem. Answer in scientific notation.

1) $(1.4 \times 10^8) \times (6.6 \times 10^{10})$

2) $(8.4 \times 10^{10}) \times (1.7 \times 10^3)$

3) $(1.1 \times 10^8) \times (1.3 \times 10^6)$

4) $(9.95 \times 10^9) \times (2.81 \times 10^9)$

5) $(9.81 \times 10^8) \times (9.2 \times 10^5)$

6) $(4.8 \times 10^8) \times (1.2 \times 10^4)$

7) $(5.7 \times 10^9) \times (2.8 \times 10^4)$

8) $(9.7 \times 10^7) \times (3 \times 10^9)$

9) $(4.47 \times 10^4) \times (7.95 \times 10^6)$

10) $(3.8 \times 10^8) \times (2 \times 10^5)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem. Answer in scientific notation.

1) $(1.4 \times 10^8) \times (6.6 \times 10^{10})$
 $(1.4 \times 6.6) \times (10^8 \times 10^{10})$
 9.24×10^{18}
 9.24×10^{18}

2) $(8.4 \times 10^{10}) \times (1.7 \times 10^3)$
 $(8.4 \times 1.7) \times (10^{10} \times 10^3)$
 14.28×10^{13}
 1.428×10^{14}

3) $(1.1 \times 10^8) \times (1.3 \times 10^6)$
 $(1.1 \times 1.3) \times (10^8 \times 10^6)$
 1.43×10^{14}
 1.43×10^{14}

4) $(9.95 \times 10^9) \times (2.81 \times 10^9)$
 $(9.95 \times 2.81) \times (10^9 \times 10^9)$
 27.9595×10^{18}
 2.79595×10^{19}

5) $(9.81 \times 10^8) \times (9.2 \times 10^5)$
 $(9.81 \times 9.2) \times (10^8 \times 10^5)$
 90.252×10^{13}
 9.0252×10^{14}

6) $(4.8 \times 10^8) \times (1.2 \times 10^4)$
 $(4.8 \times 1.2) \times (10^8 \times 10^4)$
 5.76×10^{12}
 5.76×10^{12}

7) $(5.7 \times 10^9) \times (2.8 \times 10^4)$
 $(5.7 \times 2.8) \times (10^9 \times 10^4)$
 15.96×10^{13}
 1.596×10^{14}

8) $(9.7 \times 10^7) \times (3 \times 10^9)$
 $(9.7 \times 3) \times (10^7 \times 10^9)$
 29.1×10^{16}
 2.91×10^{17}

9) $(4.47 \times 10^4) \times (7.95 \times 10^6)$
 $(4.47 \times 7.95) \times (10^4 \times 10^6)$
 35.5365×10^{10}
 3.55365×10^{11}

10) $(3.8 \times 10^8) \times (2 \times 10^5)$
 $(3.8 \times 2) \times (10^8 \times 10^5)$
 7.6×10^{13}
 7.6×10^{13}

Answers

1. 9.24×10^{18}
2. 1.428×10^{14}
3. 1.43×10^{14}
4. 2.79595×10^{19}
5. 9.0252×10^{14}
6. 5.76×10^{12}
7. 1.596×10^{14}
8. 2.91×10^{17}
9. 3.55365×10^{11}
10. 7.6×10^{13}



Solve each problem. Answer in scientific notation.

1) $(3.7 \times 10^9) \times (7.9 \times 10^7)$

2) $(4.4 \times 10^6) \times (9.3 \times 10^5)$

3) $(8.39 \times 10^3) \times (2.41 \times 10^{10})$

4) $(5.72 \times 10^5) \times (1.48 \times 10^8)$

5) $(7.2 \times 10^9) \times (5 \times 10^6)$

6) $(5.09 \times 10^{10}) \times (6.14 \times 10^9)$

7) $(2.3 \times 10^6) \times (5.6 \times 10^5)$

8) $(1.13 \times 10^6) \times (7.14 \times 10^{10})$

9) $(2.05 \times 10^5) \times (4.1 \times 10^8)$

10) $(1.42 \times 10^8) \times (4.28 \times 10^{10})$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem. Answer in scientific notation.

1) $(3.7 \times 10^9) \times (7.9 \times 10^7)$
 $(3.7 \times 7.9) \times (10^9 \times 10^7)$
 29.23×10^{16}
 2.923×10^{17}

2) $(4.4 \times 10^6) \times (9.3 \times 10^5)$
 $(4.4 \times 9.3) \times (10^6 \times 10^5)$
 40.92×10^{11}
 4.092×10^{12}

3) $(8.39 \times 10^3) \times (2.41 \times 10^{10})$
 $(8.39 \times 2.41) \times (10^3 \times 10^{10})$
 20.2199×10^{13}
 2.02199×10^{14}

4) $(5.72 \times 10^5) \times (1.48 \times 10^8)$
 $(5.72 \times 1.48) \times (10^5 \times 10^8)$
 8.4656×10^{13}
 8.4656×10^{13}

5) $(7.2 \times 10^9) \times (5 \times 10^6)$
 $(7.2 \times 5) \times (10^9 \times 10^6)$
 36×10^{15}
 3.6×10^{16}

6) $(5.09 \times 10^{10}) \times (6.14 \times 10^9)$
 $(5.09 \times 6.14) \times (10^{10} \times 10^9)$
 31.2526×10^{19}
 3.12526×10^{20}

7) $(2.3 \times 10^6) \times (5.6 \times 10^5)$
 $(2.3 \times 5.6) \times (10^6 \times 10^5)$
 12.88×10^{11}
 1.288×10^{12}

8) $(1.13 \times 10^6) \times (7.14 \times 10^{10})$
 $(1.13 \times 7.14) \times (10^6 \times 10^{10})$
 8.0682×10^{16}
 8.0682×10^{16}

9) $(2.05 \times 10^5) \times (4.1 \times 10^8)$
 $(2.05 \times 4.1) \times (10^5 \times 10^8)$
 8.405×10^{13}
 8.405×10^{13}

10) $(1.42 \times 10^8) \times (4.28 \times 10^{10})$
 $(1.42 \times 4.28) \times (10^8 \times 10^{10})$
 6.0776×10^{18}
 6.0776×10^{18}

Answers

1. 2.923×10^{17}
2. 4.092×10^{12}
3. 2.02199×10^{14}
4. 8.4656×10^{13}
5. 3.6×10^{16}
6. 3.12526×10^{20}
7. 1.288×10^{12}
8. 8.0682×10^{16}
9. 8.405×10^{13}
10. 6.0776×10^{18}



Solve each problem. Answer in scientific notation.

1) $(8.17 \times 10^{10}) \times (9.64 \times 10^{10})$

2) $(7.8 \times 10^3) \times (4.85 \times 10^4)$

3) $(6.7 \times 10^6) \times (6.3 \times 10^4)$

4) $(7.8 \times 10^{10}) \times (4.22 \times 10^6)$

5) $(1 \times 10^7) \times (1.9 \times 10^9)$

6) $(7.2 \times 10^3) \times (6.9 \times 10^6)$

7) $(8.7 \times 10^6) \times (8.4 \times 10^5)$

8) $(7.7 \times 10^8) \times (1.9 \times 10^3)$

9) $(4.5 \times 10^{10}) \times (1 \times 10^{10})$

10) $(5.7 \times 10^7) \times (4.7 \times 10^6)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

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7. _____

8. _____

9. _____

10. _____



Solve each problem. Answer in scientific notation.

1) $(8.17 \times 10^{10}) \times (9.64 \times 10^{10})$
 $(8.17 \times 9.64) \times (10^{10} \times 10^{10})$
 78.7588×10^{20}
 7.87588×10^{21}

2) $(7.8 \times 10^3) \times (4.85 \times 10^4)$
 $(7.8 \times 4.85) \times (10^3 \times 10^4)$
 37.83×10^7
 3.783×10^8

3) $(6.7 \times 10^6) \times (6.3 \times 10^4)$
 $(6.7 \times 6.3) \times (10^6 \times 10^4)$
 42.21×10^{10}
 4.221×10^{11}

4) $(7.8 \times 10^{10}) \times (4.22 \times 10^6)$
 $(7.8 \times 4.22) \times (10^{10} \times 10^6)$
 32.916×10^{16}
 3.2916×10^{17}

5) $(1 \times 10^7) \times (1.9 \times 10^9)$
 $(1 \times 1.9) \times (10^7 \times 10^9)$
 1.9×10^{16}
 1.9×10^{16}

6) $(7.2 \times 10^3) \times (6.9 \times 10^6)$
 $(7.2 \times 6.9) \times (10^3 \times 10^6)$
 49.68×10^9
 4.968×10^{10}

7) $(8.7 \times 10^6) \times (8.4 \times 10^5)$
 $(8.7 \times 8.4) \times (10^6 \times 10^5)$
 73.08×10^{11}
 7.308×10^{12}

8) $(7.7 \times 10^8) \times (1.9 \times 10^3)$
 $(7.7 \times 1.9) \times (10^8 \times 10^3)$
 14.63×10^{11}
 1.463×10^{12}

9) $(4.5 \times 10^{10}) \times (1 \times 10^{10})$
 $(4.5 \times 1) \times (10^{10} \times 10^{10})$
 4.5×10^{20}
 4.5×10^{20}

10) $(5.7 \times 10^7) \times (4.7 \times 10^6)$
 $(5.7 \times 4.7) \times (10^7 \times 10^6)$
 26.79×10^{13}
 2.679×10^{14}

Answers

1. 7.87588×10^{21}

2. 3.783×10^8

3. 4.221×10^{11}

4. 3.2916×10^{17}

5. 1.9×10^{16}

6. 4.968×10^{10}

7. 7.308×10^{12}

8. 1.463×10^{12}

9. 4.5×10^{20}

10. 2.679×10^{14}



Solve each problem. Answer in scientific notation.

1) $(7 \times 10^4) \times (1.4 \times 10^4)$

2) $(6.5 \times 10^6) \times (3.3 \times 10^9)$

3) $(3.3 \times 10^{10}) \times (7.2 \times 10^3)$

4) $(9.7 \times 10^9) \times (3.9 \times 10^{10})$

5) $(4.86 \times 10^7) \times (2.51 \times 10^8)$

6) $(1.89 \times 10^{10}) \times (1.3 \times 10^8)$

7) $(9.8 \times 10^4) \times (2.9 \times 10^4)$

8) $(1.4 \times 10^3) \times (9.2 \times 10^7)$

9) $(1.16 \times 10^5) \times (5.55 \times 10^9)$

10) $(2.05 \times 10^9) \times (5.44 \times 10^9)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

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7. _____

8. _____

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10. _____



Solve each problem. Answer in scientific notation.

1) $(7 \times 10^4) \times (1.4 \times 10^4)$
 $(7 \times 1.4) \times (10^4 \times 10^4)$
 9.8×10^8
 9.8×10^8

2) $(6.5 \times 10^6) \times (3.3 \times 10^9)$
 $(6.5 \times 3.3) \times (10^6 \times 10^9)$
 21.45×10^{15}
 2.145×10^{16}

3) $(3.3 \times 10^{10}) \times (7.2 \times 10^3)$
 $(3.3 \times 7.2) \times (10^{10} \times 10^3)$
 23.76×10^{13}
 2.376×10^{14}

4) $(9.7 \times 10^9) \times (3.9 \times 10^{10})$
 $(9.7 \times 3.9) \times (10^9 \times 10^{10})$
 37.83×10^{19}
 3.783×10^{20}

5) $(4.86 \times 10^7) \times (2.51 \times 10^8)$
 $(4.86 \times 2.51) \times (10^7 \times 10^8)$
 12.1986×10^{15}
 1.21986×10^{16}

6) $(1.89 \times 10^{10}) \times (1.3 \times 10^8)$
 $(1.89 \times 1.3) \times (10^{10} \times 10^8)$
 2.457×10^{18}
 2.457×10^{18}

7) $(9.8 \times 10^4) \times (2.9 \times 10^4)$
 $(9.8 \times 2.9) \times (10^4 \times 10^4)$
 28.42×10^8
 2.842×10^9

8) $(1.4 \times 10^3) \times (9.2 \times 10^7)$
 $(1.4 \times 9.2) \times (10^3 \times 10^7)$
 12.88×10^{10}
 1.288×10^{11}

9) $(1.16 \times 10^5) \times (5.55 \times 10^9)$
 $(1.16 \times 5.55) \times (10^5 \times 10^9)$
 6.438×10^{14}
 6.438×10^{14}

10) $(2.05 \times 10^9) \times (5.44 \times 10^9)$
 $(2.05 \times 5.44) \times (10^9 \times 10^9)$
 11.152×10^{18}
 1.1152×10^{19}

Answers

1. 9.8×10^8
2. 2.145×10^{16}
3. 2.376×10^{14}
4. 3.783×10^{20}
5. 1.21986×10^{16}
6. 2.457×10^{18}
7. 2.842×10^9
8. 1.288×10^{11}
9. 6.438×10^{14}
10. 1.1152×10^{19}



Solve each problem. Answer in scientific notation.

1) $(4.54 \times 10^7) \times (3.66 \times 10^9)$

2) $(2.23 \times 10^4) \times (2.18 \times 10^{10})$

3) $(1.5 \times 10^{10}) \times (6.7 \times 10^8)$

4) $(3 \times 10^7) \times (6.3 \times 10^7)$

5) $(3.2 \times 10^{10}) \times (7.4 \times 10^4)$

6) $(7.19 \times 10^9) \times (4.93 \times 10^8)$

7) $(3.66 \times 10^8) \times (2.98 \times 10^{10})$

8) $(4.14 \times 10^8) \times (6.28 \times 10^4)$

9) $(9.6 \times 10^{10}) \times (1.1 \times 10^3)$

10) $(4.4 \times 10^4) \times (8.1 \times 10^9)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem. Answer in scientific notation.

1) $(4.54 \times 10^7) \times (3.66 \times 10^9)$
 $(4.54 \times 3.66) \times (10^7 \times 10^9)$
 16.6164×10^{16}
 1.66164×10^{17}

2) $(2.23 \times 10^4) \times (2.18 \times 10^{10})$
 $(2.23 \times 2.18) \times (10^4 \times 10^{10})$
 4.8614×10^{14}
 4.8614×10^{14}

3) $(1.5 \times 10^{10}) \times (6.7 \times 10^8)$
 $(1.5 \times 6.7) \times (10^{10} \times 10^8)$
 10.05×10^{18}
 1.005×10^{19}

4) $(3 \times 10^7) \times (6.3 \times 10^7)$
 $(3 \times 6.3) \times (10^7 \times 10^7)$
 18.9×10^{14}
 1.89×10^{15}

5) $(3.2 \times 10^{10}) \times (7.4 \times 10^4)$
 $(3.2 \times 7.4) \times (10^{10} \times 10^4)$
 23.68×10^{14}
 2.368×10^{15}

6) $(7.19 \times 10^9) \times (4.93 \times 10^8)$
 $(7.19 \times 4.93) \times (10^9 \times 10^8)$
 35.4467×10^{17}
 3.54467×10^{18}

7) $(3.66 \times 10^8) \times (2.98 \times 10^{10})$
 $(3.66 \times 2.98) \times (10^8 \times 10^{10})$
 10.9068×10^{18}
 1.09068×10^{19}

8) $(4.14 \times 10^8) \times (6.28 \times 10^4)$
 $(4.14 \times 6.28) \times (10^8 \times 10^4)$
 25.9992×10^{12}
 2.59992×10^{13}

9) $(9.6 \times 10^{10}) \times (1.1 \times 10^3)$
 $(9.6 \times 1.1) \times (10^{10} \times 10^3)$
 10.56×10^{13}
 1.056×10^{14}

10) $(4.4 \times 10^4) \times (8.1 \times 10^9)$
 $(4.4 \times 8.1) \times (10^4 \times 10^9)$
 35.64×10^{13}
 3.564×10^{14}

Answers

1. 1.66164×10^{17}

2. 4.8614×10^{14}

3. 1.005×10^{19}

4. 1.89×10^{15}

5. 2.368×10^{15}

6. 3.54467×10^{18}

7. 1.09068×10^{19}

8. 2.59992×10^{13}

9. 1.056×10^{14}

10. 3.564×10^{14}



Solve each problem. Answer in scientific notation.

1) $(2.69 \times 10^3) \times (7.54 \times 10^9)$

2) $(6.5 \times 10^8) \times (8.3 \times 10^6)$

3) $(8.8 \times 10^6) \times (1 \times 10^8)$

4) $(3.32 \times 10^3) \times (4.14 \times 10^4)$

5) $(9 \times 10^7) \times (8.7 \times 10^7)$

6) $(5.12 \times 10^7) \times (7.22 \times 10^{10})$

7) $(3.6 \times 10^6) \times (1.6 \times 10^7)$

8) $(8.4 \times 10^{10}) \times (8.9 \times 10^6)$

9) $(1 \times 10^5) \times (3.2 \times 10^7)$

10) $(8.1 \times 10^{10}) \times (6.6 \times 10^6)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem. Answer in scientific notation.

1) $(2.69 \times 10^3) \times (7.54 \times 10^9)$
 $(2.69 \times 7.54) \times (10^3 \times 10^9)$
 20.2826×10^{12}
 2.02826×10^{13}

2) $(6.5 \times 10^8) \times (8.3 \times 10^6)$
 $(6.5 \times 8.3) \times (10^8 \times 10^6)$
 53.95×10^{14}
 5.395×10^{15}

3) $(8.8 \times 10^6) \times (1 \times 10^8)$
 $(8.8 \times 1) \times (10^6 \times 10^8)$
 8.8×10^{14}
 8.8×10^{14}

4) $(3.32 \times 10^3) \times (4.14 \times 10^4)$
 $(3.32 \times 4.14) \times (10^3 \times 10^4)$
 13.7448×10^7
 1.37448×10^8

5) $(9 \times 10^7) \times (8.7 \times 10^7)$
 $(9 \times 8.7) \times (10^7 \times 10^7)$
 78.3×10^{14}
 7.83×10^{15}

6) $(5.12 \times 10^7) \times (7.22 \times 10^{10})$
 $(5.12 \times 7.22) \times (10^7 \times 10^{10})$
 36.9664×10^{17}
 3.69664×10^{18}

7) $(3.6 \times 10^6) \times (1.6 \times 10^7)$
 $(3.6 \times 1.6) \times (10^6 \times 10^7)$
 5.76×10^{13}
 5.76×10^{13}

8) $(8.4 \times 10^{10}) \times (8.9 \times 10^6)$
 $(8.4 \times 8.9) \times (10^{10} \times 10^6)$
 74.76×10^{16}
 7.476×10^{17}

9) $(1 \times 10^5) \times (3.2 \times 10^7)$
 $(1 \times 3.2) \times (10^5 \times 10^7)$
 3.2×10^{12}
 3.2×10^{12}

10) $(8.1 \times 10^{10}) \times (6.6 \times 10^6)$
 $(8.1 \times 6.6) \times (10^{10} \times 10^6)$
 53.46×10^{16}
 5.346×10^{17}

Answers

1. 2.02826×10^{13}

2. 5.395×10^{15}

3. 8.8×10^{14}

4. 1.37448×10^8

5. 7.83×10^{15}

6. 3.69664×10^{18}

7. 5.76×10^{13}

8. 7.476×10^{17}

9. 3.2×10^{12}

10. 5.346×10^{17}



Solve each problem. Answer in scientific notation.

1) $(7.3 \times 10^7) \times (6.1 \times 10^6)$

2) $(1.9 \times 10^{10}) \times (3.6 \times 10^{10})$

3) $(1.2 \times 10^{10}) \times (9.3 \times 10^6)$

4) $(2.32 \times 10^4) \times (5.27 \times 10^3)$

5) $(5.4 \times 10^7) \times (5.5 \times 10^3)$

6) $(2.8 \times 10^7) \times (2.91 \times 10^8)$

7) $(8.02 \times 10^5) \times (3.92 \times 10^9)$

8) $(7.62 \times 10^3) \times (8.89 \times 10^3)$

9) $(9 \times 10^3) \times (6.3 \times 10^9)$

10) $(6.7 \times 10^3) \times (1 \times 10^5)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem. Answer in scientific notation.

1) $(7.3 \times 10^7) \times (6.1 \times 10^6)$
 $(7.3 \times 6.1) \times (10^7 \times 10^6)$
 44.53×10^{13}
 4.453×10^{14}

2) $(1.9 \times 10^{10}) \times (3.6 \times 10^{10})$
 $(1.9 \times 3.6) \times (10^{10} \times 10^{10})$
 6.84×10^{20}
 6.84×10^{20}

3) $(1.2 \times 10^{10}) \times (9.3 \times 10^6)$
 $(1.2 \times 9.3) \times (10^{10} \times 10^6)$
 11.16×10^{16}
 1.116×10^{17}

4) $(2.32 \times 10^4) \times (5.27 \times 10^3)$
 $(2.32 \times 5.27) \times (10^4 \times 10^3)$
 12.2264×10^7
 1.22264×10^8

5) $(5.4 \times 10^7) \times (5.5 \times 10^3)$
 $(5.4 \times 5.5) \times (10^7 \times 10^3)$
 29.7×10^{10}
 2.97×10^{11}

6) $(2.8 \times 10^7) \times (2.91 \times 10^8)$
 $(2.8 \times 2.91) \times (10^7 \times 10^8)$
 8.148×10^{15}
 8.148×10^{15}

7) $(8.02 \times 10^5) \times (3.92 \times 10^9)$
 $(8.02 \times 3.92) \times (10^5 \times 10^9)$
 31.4384×10^{14}
 3.14384×10^{15}

8) $(7.62 \times 10^3) \times (8.89 \times 10^3)$
 $(7.62 \times 8.89) \times (10^3 \times 10^3)$
 67.7418×10^6
 6.77418×10^7

9) $(9 \times 10^3) \times (6.3 \times 10^9)$
 $(9 \times 6.3) \times (10^3 \times 10^9)$
 56.7×10^{12}
 5.67×10^{13}

10) $(6.7 \times 10^3) \times (1 \times 10^5)$
 $(6.7 \times 1) \times (10^3 \times 10^5)$
 6.7×10^8
 6.7×10^8

Answers

1. 4.453×10^{14}
2. 6.84×10^{20}
3. 1.116×10^{17}
4. 1.22264×10^8
5. 2.97×10^{11}
6. 8.148×10^{15}
7. 3.14384×10^{15}
8. 6.77418×10^7
9. 5.67×10^{13}
10. 6.7×10^8



Solve each problem. Answer in scientific notation.

1) $(8.55 \times 10^3) \times (6.4 \times 10^{10})$

2) $(1.43 \times 10^3) \times (3.33 \times 10^8)$

3) $(4.06 \times 10^5) \times (9.48 \times 10^7)$

4) $(4.5 \times 10^9) \times (2.2 \times 10^4)$

5) $(7 \times 10^7) \times (1.1 \times 10^{10})$

6) $(2.39 \times 10^8) \times (1.6 \times 10^5)$

7) $(1.3 \times 10^9) \times (1.7 \times 10^3)$

8) $(2.6 \times 10^8) \times (4.3 \times 10^6)$

9) $(6.9 \times 10^5) \times (8.9 \times 10^7)$

10) $(6.5 \times 10^{10}) \times (4.12 \times 10^7)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem. Answer in scientific notation.

1) $(8.55 \times 10^3) \times (6.4 \times 10^{10})$
 $(8.55 \times 6.4) \times (10^3 \times 10^{10})$
 54.72×10^{13}
 5.472×10^{14}

2) $(1.43 \times 10^3) \times (3.33 \times 10^8)$
 $(1.43 \times 3.33) \times (10^3 \times 10^8)$
 4.7619×10^{11}
 4.7619×10^{11}

3) $(4.06 \times 10^5) \times (9.48 \times 10^7)$
 $(4.06 \times 9.48) \times (10^5 \times 10^7)$
 38.4888×10^{12}
 3.84888×10^{13}

4) $(4.5 \times 10^9) \times (2.2 \times 10^4)$
 $(4.5 \times 2.2) \times (10^9 \times 10^4)$
 9.9×10^{13}
 9.9×10^{13}

5) $(7 \times 10^7) \times (1.1 \times 10^{10})$
 $(7 \times 1.1) \times (10^7 \times 10^{10})$
 7.7×10^{17}
 7.7×10^{17}

6) $(2.39 \times 10^8) \times (1.6 \times 10^5)$
 $(2.39 \times 1.6) \times (10^8 \times 10^5)$
 3.824×10^{13}
 3.824×10^{13}

7) $(1.3 \times 10^9) \times (1.7 \times 10^3)$
 $(1.3 \times 1.7) \times (10^9 \times 10^3)$
 2.21×10^{12}
 2.21×10^{12}

8) $(2.6 \times 10^8) \times (4.3 \times 10^6)$
 $(2.6 \times 4.3) \times (10^8 \times 10^6)$
 11.18×10^{14}
 1.118×10^{15}

9) $(6.9 \times 10^5) \times (8.9 \times 10^7)$
 $(6.9 \times 8.9) \times (10^5 \times 10^7)$
 61.41×10^{12}
 6.141×10^{13}

10) $(6.5 \times 10^{10}) \times (4.12 \times 10^7)$
 $(6.5 \times 4.12) \times (10^{10} \times 10^7)$
 26.78×10^{17}
 2.678×10^{18}

Answers

1. 5.472×10^{14}
2. 4.7619×10^{11}
3. 3.84888×10^{13}
4. 9.9×10^{13}
5. 7.7×10^{17}
6. 3.824×10^{13}
7. 2.21×10^{12}
8. 1.118×10^{15}
9. 6.141×10^{13}
10. 2.678×10^{18}



Solve each problem. Answer in scientific notation.

1) $(3.24 \times 10^7) \times (3.25 \times 10^7)$

2) $(2.11 \times 10^3) \times (6.82 \times 10^4)$

3) $(3.8 \times 10^3) \times (2.7 \times 10^5)$

4) $(8.3 \times 10^8) \times (9.9 \times 10^8)$

5) $(5.3 \times 10^{10}) \times (3 \times 10^5)$

6) $(1.9 \times 10^4) \times (8.2 \times 10^3)$

7) $(9.3 \times 10^3) \times (8.7 \times 10^9)$

8) $(5.76 \times 10^8) \times (5.54 \times 10^5)$

9) $(9.4 \times 10^9) \times (5.1 \times 10^8)$

10) $(4.8 \times 10^5) \times (8.04 \times 10^8)$

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Solve each problem. Answer in scientific notation.

1) $(3.24 \times 10^7) \times (3.25 \times 10^7)$
 $(3.24 \times 3.25) \times (10^7 \times 10^7)$
 10.53×10^{14}
 1.053×10^{15}

2) $(2.11 \times 10^3) \times (6.82 \times 10^4)$
 $(2.11 \times 6.82) \times (10^3 \times 10^4)$
 14.3902×10^7
 1.43902×10^8

3) $(3.8 \times 10^3) \times (2.7 \times 10^5)$
 $(3.8 \times 2.7) \times (10^3 \times 10^5)$
 10.26×10^8
 1.026×10^9

4) $(8.3 \times 10^8) \times (9.9 \times 10^8)$
 $(8.3 \times 9.9) \times (10^8 \times 10^8)$
 82.17×10^{16}
 8.217×10^{17}

5) $(5.3 \times 10^{10}) \times (3 \times 10^5)$
 $(5.3 \times 3) \times (10^{10} \times 10^5)$
 15.9×10^{15}
 1.59×10^{16}

6) $(1.9 \times 10^4) \times (8.2 \times 10^3)$
 $(1.9 \times 8.2) \times (10^4 \times 10^3)$
 15.58×10^7
 1.558×10^8

7) $(9.3 \times 10^3) \times (8.7 \times 10^9)$
 $(9.3 \times 8.7) \times (10^3 \times 10^9)$
 80.91×10^{12}
 8.091×10^{13}

8) $(5.76 \times 10^8) \times (5.54 \times 10^5)$
 $(5.76 \times 5.54) \times (10^8 \times 10^5)$
 31.9104×10^{13}
 3.19104×10^{14}

9) $(9.4 \times 10^9) \times (5.1 \times 10^8)$
 $(9.4 \times 5.1) \times (10^9 \times 10^8)$
 47.94×10^{17}
 4.794×10^{18}

10) $(4.8 \times 10^5) \times (8.04 \times 10^8)$
 $(4.8 \times 8.04) \times (10^5 \times 10^8)$
 38.592×10^{13}
 3.8592×10^{14}

Answers

1. 1.053×10^{15}
2. 1.43902×10^8
3. 1.026×10^9
4. 8.217×10^{17}
5. 1.59×10^{16}
6. 1.558×10^8
7. 8.091×10^{13}
8. 3.19104×10^{14}
9. 4.794×10^{18}
10. 3.8592×10^{14}