

Name _____

Date _____

Nikhilam Multiplication

Sutra: All from 9 and the last from 10

Use the Nikhilam method to get the answers even though you know the answers.

$$\begin{array}{r} 1. \quad 9 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 4 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 6 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 8 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 1 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 9 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 7 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 3 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 8 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 6 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 8 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 7 \\ \times 7 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 5 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 7 \\ \times 8 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 9 \\ \times 4 \\ \hline \end{array}$$

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Sutra: All from 9 and the last from 10

Below the base, 100

$$\begin{array}{r} 1. \quad 95 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 94 \\ \times 92 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 95 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 97 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 91 \\ \times 93 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 98 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 87 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 91 \\ \times 95 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 87 \\ \times 98 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 98 \\ \times 96 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 92 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 92 \\ \times 93 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 95 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 94 \\ \times 96 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 79 \\ \times 97 \\ \hline \end{array}$$

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Sutra: All from 9 and the last from 10

Below the base, 100

$$\begin{array}{r} 1. \quad 88 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 77 \\ \times 98 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 95 \\ \times 91 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 89 \\ \times 93 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 91 \\ \times 92 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 85 \\ \times 96 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 68 \\ \times 98 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 67 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 94 \\ \times 90 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 67 \\ \times 99 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 72 \\ \times 99 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 98 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 86 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 96 \\ \times 96 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 92 \\ \times 98 \\ \hline \end{array}$$

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Sutra: All from 9 and the last from 10

Below the base, 100, with carrying

$$\begin{array}{r} 1. \quad 68 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 67 \\ \times 95 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 37 \\ \times 95 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 78 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 58 \\ \times 95 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 66 \\ \times 93 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 67 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 78 \\ \times 92 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 36 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 77 \\ \times 95 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 68 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 43 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 79 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 69 \\ \times 95 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 59 \\ \times 96 \\ \hline \end{array}$$

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Further practice with base 100

$$\begin{array}{r} 1. \quad 93 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 91 \\ \times 92 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 91 \\ \times 99 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 98 \\ \times 98 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 94 \\ \times 94 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 92 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 56 \\ \times 97 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 93 \\ \times 98 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 88 \\ \times 96 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 88 \\ \times 88 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 83 \\ \times 92 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 78 \\ \times 98 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 96 \\ \times 95 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 89 \\ \times 89 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 43 \\ \times 98 \\ \hline \end{array}$$

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Sutra: All from 9 and the last from 10

Above the base, 10

$$\begin{array}{r} 1. \quad 11 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 11 \\ \times 17 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 12 \\ \times 14 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 13 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 12 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 12 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 11 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 13 \\ \times 13 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 11 \\ \times 19 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 14 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 11 \\ \times 16 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 15 \\ \times 12 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 15 \\ \times 11 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 11 \\ \times 18 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 13 \\ \times 14 \\ \hline \end{array}$$

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Nikhilam Multiplication

Sutra: All from 9 and the last from 10

Above the base, 100, no carrying

$$\begin{array}{r} 1. \quad 106 \\ \times 102 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 107 \\ \times 102 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 105 \\ \times 102 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 109 \\ \times 102 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 106 \\ \times 101 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 106 \\ \times 105 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 102 \\ \times 102 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 108 \\ \times 102 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 107 \\ \times 103 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 107 \\ \times 101 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 103 \\ \times 101 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 103 \\ \times 103 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 108 \\ \times 101 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 104 \\ \times 101 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 107 \\ \times 107 \\ \hline \end{array}$$

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Nikhilam Multiplication

Sutra: All from 9 and the last from 10

Above the base, 100, no carrying

$$\begin{array}{r} 1. \quad 105 \\ \times 108 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 106 \\ \times 106 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 108 \\ \times 106 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 106 \\ \times 104 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 105 \\ \times 101 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 110 \\ \times 106 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 107 \\ \times 105 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 107 \\ \times 106 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 112 \\ \times 106 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 105 \\ \times 103 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 109 \\ \times 106 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 109 \\ \times 107 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 110 \\ \times 104 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 110 \\ \times 103 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 103 \\ \times 109 \\ \hline \end{array}$$

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Sutra: All from 9 and the last from 10

Above the base, 100, with carrying

$$\begin{array}{r} 1. \quad 132 \\ \times 105 \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad 124 \\ \times 107 \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 135 \\ \times 105 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 141 \\ \times 103 \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 150 \\ \times 106 \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 153 \\ \times 102 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 130 \\ \times 104 \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 162 \\ \times 102 \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 130 \\ \times 109 \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 123 \\ \times 106 \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 170 \\ \times 102 \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 142 \\ \times 104 \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 151 \\ \times 102 \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 121 \\ \times 107 \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 124 \\ \times 106 \\ \hline \end{array}$$