

# 3-digit by 3-digit Multiplication on a Grid (A)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 6 | 2 |
| × |  | 8 | 9 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 7 | 1 |
| × |  | 3 | 0 | 3 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 2 | 1 | 2 |
| × |  | 8 | 6 | 0 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 8 | 9 | 9 |
| × |  | 6 | 1 | 6 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 4 | 4 | 2 |
| × |  | 1 | 2 | 2 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 3 | 5 | 0 |
| × |  | 3 | 2 | 6 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 2 | 2 |
| × |  | 1 | 7 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 5 | 4 |
| × |  | 9 | 8 | 3 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 1 | 7 | 4 |
| × |  | 9 | 0 | 5 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 9 | 1 |
| × |  | 1 | 9 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 8 | 3 | 8 |
| × |  | 4 | 0 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 4 | 5 | 0 |
| × |  | 2 | 0 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

# 3-digit by 3-digit Multiplication on a Grid (A) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |   |   | 5 | 6 | 2 |   |   |   | 5 | 7 | 1 |   |   |   | 2 | 1 | 2 |   |   |   | 8 | 9 | 9 |   |   |   |
|   | × |   | 8 | 9 | 9 |   | × |   | 3 | 0 | 3 |   | × |   | 8 | 6 | 0 |   | × |   | 6 | 1 | 6 |   |   |   |
|   |   |   | 5 | 0 | 5 | 8 |   |   |   | 1 | 7 | 1 | 3 |   |   |   | 0 | 0 | 0 |   |   |   | 5 | 3 | 9 | 4 |
|   |   | 5 | 0 | 5 | 8 | 0 |   |   | 0 | 0 | 0 | 0 |   |   | 1 | 2 | 7 | 2 | 0 |   |   |   | 8 | 9 | 9 | 0 |
| 4 | 4 | 9 | 6 | 0 | 0 | 1 | 7 | 1 | 3 | 0 | 0 | 1 | 6 | 9 | 6 | 0 | 0 | 5 | 3 | 9 | 4 | 0 | 0 |   |   |   |
| 5 | 0 | 5 | 2 | 3 | 8 | 1 | 7 | 3 | 0 | 1 | 3 | 1 | 8 | 2 | 3 | 2 | 0 | 5 | 5 | 3 | 7 | 8 | 4 |   |   |   |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |   |   | 4 | 4 | 2 |   |   |   | 3 | 5 | 0 |   |   |   | 5 | 2 | 2 |   |   |   | 7 | 5 | 4 |   |   |   |
|   | × |   | 1 | 2 | 2 |   | × |   | 3 | 2 | 6 |   | × |   | 1 | 7 | 9 |   | × |   | 9 | 8 | 3 |   |   |   |
|   |   |   | 8 | 8 | 4 |   |   |   | 2 | 1 | 0 | 0 |   |   |   | 4 | 6 | 9 | 8 |   |   |   | 2 | 2 | 6 | 2 |
|   |   | 8 | 8 | 4 | 0 |   |   | 7 | 0 | 0 | 0 |   |   | 3 | 6 | 5 | 4 | 0 |   |   | 6 | 0 | 3 | 2 | 0 |   |
| 4 | 4 | 2 | 0 | 0 | 1 | 0 | 5 | 0 | 0 | 0 | 5 | 2 | 2 | 0 | 0 | 6 | 7 | 8 | 6 | 0 | 0 |   |   |   |   |   |
| 5 | 3 | 9 | 2 | 4 | 1 | 1 | 4 | 1 | 0 | 0 | 9 | 3 | 4 | 3 | 8 | 7 | 4 | 1 | 1 | 8 | 2 |   |   |   |   |   |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |   |   | 1 | 7 | 4 |   |   |   | 9 | 9 | 1 |   |   |   | 8 | 3 | 8 |   |   |   | 4 | 5 | 0 |   |   |   |
|   | × |   | 9 | 0 | 5 |   | × |   | 1 | 9 | 8 |   | × |   | 4 | 0 | 9 |   | × |   | 2 | 0 | 8 |   |   |   |
|   |   |   | 8 | 7 | 0 |   |   |   | 7 | 9 | 2 | 8 |   |   |   | 7 | 5 | 4 | 2 |   |   |   | 3 | 6 | 0 | 0 |
|   |   | 0 | 0 | 0 | 0 |   |   | 8 | 9 | 1 | 9 | 0 |   |   | 0 | 0 | 0 | 0 |   |   |   | 0 | 0 | 0 | 0 |   |
| 1 | 5 | 6 | 6 | 0 | 0 |   |   | 9 | 9 | 1 | 0 | 0 | 3 | 3 | 5 | 2 | 0 | 0 |   |   | 9 | 0 | 0 | 0 | 0 |   |
| 1 | 5 | 7 | 4 | 7 | 0 | 1 | 9 | 6 | 2 | 1 | 8 | 3 | 4 | 2 | 7 | 4 | 2 |   |   | 9 | 3 | 6 | 0 | 0 |   |   |

# 3-digit by 3-digit Multiplication on a Grid (B)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 6 | 2 |
| × |  | 5 | 9 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 6 | 8 |
| × |  | 5 | 8 | 2 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 2 | 3 |
| × |  | 3 | 4 | 6 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 6 | 9 |
| × |  | 3 | 0 | 0 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 3 | 5 |
| × |  | 5 | 2 | 4 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 1 | 1 |
| × |  | 6 | 4 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 4 | 4 |
| × |  | 5 | 1 | 3 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 3 | 9 | 8 |
| × |  | 4 | 0 | 4 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 8 | 5 |
| × |  | 7 | 5 | 5 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 0 | 9 |
| × |  | 4 | 6 | 6 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 7 | 8 |
| × |  | 2 | 0 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 3 | 2 |
| × |  | 7 | 0 | 3 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

# 3-digit by 3-digit Multiplication on a Grid (B) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |   |   | 7 | 6 | 2 |   |   |   | 6 | 6 | 8 |   |   |   | 9 | 2 | 3 |   |   |   | 6 | 6 | 9 |   |   |   |   |
|   | × |   | 5 | 9 | 1 |   | × |   | 5 | 8 | 2 |   | × |   | 3 | 4 | 6 |   | × |   | 3 | 0 | 0 |   |   |   |   |
|   |   |   | 7 | 6 | 2 |   |   | 1 | 3 | 3 | 6 |   |   |   | 5 | 5 | 3 | 8 |   |   |   | 0 | 0 | 0 |   |   |   |
|   |   | 6 | 8 | 5 | 8 | 0 |   |   | 5 | 3 | 4 | 4 | 0 |   |   | 3 | 6 | 9 | 2 | 0 |   |   |   | 0 | 0 | 0 | 0 |
| 3 | 8 | 1 | 0 | 0 | 0 | 3 | 3 | 4 | 0 | 0 | 0 | 2 | 7 | 6 | 9 | 0 | 0 | 2 | 0 | 0 | 7 | 0 | 0 |   |   |   |   |
| 4 | 5 | 0 | 3 | 4 | 2 | 3 | 8 | 8 | 7 | 7 | 6 | 3 | 1 | 9 | 3 | 5 | 8 | 2 | 0 | 0 | 7 | 0 | 0 |   |   |   |   |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |   |   | 7 | 3 | 5 |   |   |   | 5 | 1 | 1 |   |   |   | 6 | 4 | 4 |   |   |   | 3 | 9 | 8 |   |   |   |   |
|   | × |   | 5 | 2 | 4 |   | × |   | 6 | 4 | 8 |   | × |   | 5 | 1 | 3 |   | × |   | 4 | 0 | 4 |   |   |   |   |
|   |   |   | 2 | 9 | 4 | 0 |   |   |   | 4 | 0 | 8 | 8 |   |   |   | 1 | 9 | 3 | 2 |   |   |   | 1 | 5 | 9 | 2 |
|   |   | 1 | 4 | 7 | 0 | 0 |   |   | 2 | 0 | 4 | 4 | 0 |   |   |   | 6 | 4 | 4 | 0 |   |   |   | 0 | 0 | 0 | 0 |
| 3 | 6 | 7 | 5 | 0 | 0 | 3 | 0 | 6 | 6 | 0 | 0 | 3 | 2 | 2 | 0 | 0 | 0 | 1 | 5 | 9 | 2 | 0 | 0 |   |   |   |   |
| 3 | 8 | 5 | 1 | 4 | 0 | 3 | 3 | 1 | 1 | 2 | 8 | 3 | 3 | 0 | 3 | 7 | 2 | 1 | 6 | 0 | 7 | 9 | 2 |   |   |   |   |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |   |   | 6 | 8 | 5 |   |   |   | 7 | 0 | 9 |   |   |   | 5 | 7 | 8 |   |   |   | 9 | 3 | 2 |   |   |   |   |
|   | × |   | 7 | 5 | 5 |   | × |   | 4 | 6 | 6 |   | × |   | 2 | 0 | 9 |   | × |   | 7 | 0 | 3 |   |   |   |   |
|   |   |   | 3 | 4 | 2 | 5 |   |   |   | 4 | 2 | 5 | 4 |   |   |   | 5 | 2 | 0 | 2 |   |   |   | 2 | 7 | 9 | 6 |
|   |   | 3 | 4 | 2 | 5 | 0 |   |   | 4 | 2 | 5 | 4 | 0 |   |   |   | 0 | 0 | 0 | 0 |   |   |   | 0 | 0 | 0 | 0 |
| 4 | 7 | 9 | 5 | 0 | 0 | 2 | 8 | 3 | 6 | 0 | 0 | 1 | 1 | 5 | 6 | 0 | 0 | 6 | 5 | 2 | 4 | 0 | 0 |   |   |   |   |
| 5 | 1 | 7 | 1 | 7 | 5 | 3 | 3 | 0 | 3 | 9 | 4 | 1 | 2 | 0 | 8 | 0 | 2 | 6 | 5 | 5 | 1 | 9 | 6 |   |   |   |   |

# 3-digit by 3-digit Multiplication on a Grid (C)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 5 | 1 |
| × |  | 2 | 8 | 2 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 8 | 2 | 5 |
| × |  | 3 | 4 | 6 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 8 | 8 | 6 |
| × |  | 7 | 4 | 7 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 3 | 8 |
| × |  | 4 | 1 | 5 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 4 | 4 | 1 |
| × |  | 9 | 0 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 3 | 6 | 5 |
| × |  | 7 | 5 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 4 | 6 | 7 |
| × |  | 8 | 3 | 4 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 4 | 2 | 5 |
| × |  | 5 | 5 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 2 | 6 | 8 |
| × |  | 9 | 0 | 0 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 1 | 8 | 4 |
| × |  | 9 | 6 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 9 | 3 |
| × |  | 8 | 6 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 1 | 5 | 6 |
| × |  | 6 | 1 | 6 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

# 3-digit by 3-digit Multiplication on a Grid (C) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   | 9 | 5 | 1 |   |
| × |   | 2 | 8 | 2 |   |
|   | 1 | 9 | 0 | 2 |   |
|   | 7 | 6 | 0 | 8 | 0 |
| 1 | 9 | 0 | 2 | 0 | 0 |
| 2 | 6 | 8 | 1 | 8 | 2 |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   | 8 | 2 | 5 |   |
| × |   | 3 | 4 | 6 |   |
|   | 4 | 9 | 5 | 0 |   |
|   | 3 | 3 | 0 | 0 | 0 |
| 2 | 4 | 7 | 5 | 0 | 0 |
| 2 | 8 | 5 | 4 | 5 | 0 |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   | 8 | 8 | 6 |   |
| × |   | 7 | 4 | 7 |   |
|   | 6 | 2 | 0 | 2 |   |
|   | 3 | 5 | 4 | 4 | 0 |
| 6 | 2 | 0 | 2 | 0 | 0 |
| 6 | 6 | 1 | 8 | 4 | 2 |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   | 6 | 3 | 8 |   |
| × |   | 4 | 1 | 5 |   |
|   | 3 | 1 | 9 | 0 |   |
|   | 6 | 3 | 8 | 0 |   |
| 2 | 5 | 5 | 2 | 0 | 0 |
| 2 | 6 | 4 | 7 | 7 | 0 |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   | 4 | 4 | 1 |   |
| × |   | 9 | 0 | 8 |   |
|   | 3 | 5 | 2 | 8 |   |
|   | 0 | 0 | 0 | 0 |   |
| 3 | 9 | 6 | 9 | 0 | 0 |
| 4 | 0 | 0 | 4 | 2 | 8 |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   | 3 | 6 | 5 |   |
| × |   | 7 | 5 | 8 |   |
|   | 2 | 9 | 2 | 0 |   |
|   | 1 | 8 | 2 | 5 | 0 |
| 2 | 5 | 5 | 5 | 0 | 0 |
| 2 | 7 | 6 | 6 | 7 | 0 |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   | 4 | 6 | 7 |   |
| × |   | 8 | 3 | 4 |   |
|   | 1 | 8 | 6 | 8 |   |
|   | 1 | 4 | 0 | 1 | 0 |
| 3 | 7 | 3 | 6 | 0 | 0 |
| 3 | 8 | 9 | 4 | 7 | 8 |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   | 4 | 2 | 5 |   |
| × |   | 5 | 5 | 8 |   |
|   | 3 | 4 | 0 | 0 |   |
|   | 2 | 1 | 2 | 5 | 0 |
| 2 | 1 | 2 | 5 | 0 | 0 |
| 2 | 3 | 7 | 1 | 5 | 0 |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   | 2 | 6 | 8 |   |
| × |   | 9 | 0 | 0 |   |
|   | 0 | 0 | 0 | 0 |   |
|   | 0 | 0 | 0 | 0 |   |
| 2 | 4 | 1 | 2 | 0 | 0 |
| 2 | 4 | 1 | 2 | 0 | 0 |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   | 1 | 8 | 4 |   |
| × |   | 9 | 6 | 1 |   |
|   | 1 | 8 | 4 |   |   |
|   | 1 | 1 | 0 | 4 | 0 |
| 1 | 6 | 5 | 6 | 0 | 0 |
| 1 | 7 | 6 | 8 | 2 | 4 |

|   |   |   |   |   |   |
|---|---|---|---|---|---|
|   |   | 6 | 9 | 3 |   |
| × |   | 8 | 6 | 1 |   |
|   | 6 | 9 | 3 |   |   |
|   | 4 | 1 | 5 | 8 | 0 |
| 5 | 5 | 4 | 4 | 0 | 0 |
| 5 | 9 | 6 | 6 | 7 | 3 |

|   |   |   |   |   |
|---|---|---|---|---|
|   |   | 1 | 5 | 6 |
| × |   | 6 | 1 | 6 |
|   | 9 | 3 | 6 |   |
|   | 1 | 5 | 6 | 0 |
| 9 | 3 | 6 | 0 | 0 |
| 9 | 6 | 0 | 9 | 6 |

# 3-digit by 3-digit Multiplication on a Grid (D)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 2 | 1 | 6 |
| × |  | 3 | 1 | 4 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 0 | 1 |
| × |  | 4 | 8 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 4 | 1 | 0 |
| × |  | 9 | 0 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 7 | 4 |
| × |  | 3 | 9 | 5 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 5 | 2 |
| × |  | 6 | 2 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 2 | 3 |
| × |  | 7 | 1 | 7 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 2 | 3 | 9 |
| × |  | 4 | 7 | 7 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 0 | 6 |
| × |  | 3 | 9 | 6 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 4 | 7 |
| × |  | 7 | 1 | 0 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 4 | 0 | 5 |
| × |  | 3 | 4 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 8 | 4 |
| × |  | 8 | 8 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 1 | 9 | 5 |
| × |  | 6 | 0 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

# 3-digit by 3-digit Multiplication on a Grid (D) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|  |   |          |          |          |          |          |   |  |          |          |          |          |          |          |   |   |          |          |          |          |          |          |   |   |          |          |          |          |          |          |
|--|---|----------|----------|----------|----------|----------|---|--|----------|----------|----------|----------|----------|----------|---|---|----------|----------|----------|----------|----------|----------|---|---|----------|----------|----------|----------|----------|----------|
|  |   |          | 2        | 1        | 6        |          |   |  | 6        | 0        | 1        |          |          |          | 4 | 1 | 0        |          |          |          | 5        | 7        | 4 |   |          |          |          |          |          |          |
|  | × |          | 3        | 1        | 4        |          | × |  | 4        | 8        | 1        |          | ×        |          | 9 | 0 | 9        |          | ×        |          | 3        | 9        | 5 |   |          |          |          |          |          |          |
|  |   |          | 8        | 6        | 4        |          |   |  | 6        | 0        | 1        |          |          |          | 3 | 6 | 9        | 0        |          |          |          | 2        | 8 | 7 | 0        |          |          |          |          |          |
|  |   |          | 2        | 1        | 6        | 0        |   |  |          | 4        | 8        | 0        | 8        | 0        |   |   |          | 0        | 0        | 0        | 0        |          |   |   | 5        | 1        | 6        | 6        | 0        |          |
|  |   | 6        | 4        | 8        | 0        | 0        |   |  | 2        | 4        | 0        | 4        | 0        | 0        |   |   | 3        | 6        | 9        | 0        | 0        | 0        |   |   | 1        | 7        | 2        | 2        | 0        | 0        |
|  |   | <b>6</b> | <b>7</b> | <b>8</b> | <b>2</b> | <b>4</b> |   |  | <b>2</b> | <b>8</b> | <b>9</b> | <b>0</b> | <b>8</b> | <b>1</b> |   |   | <b>3</b> | <b>7</b> | <b>2</b> | <b>6</b> | <b>9</b> | <b>0</b> |   |   | <b>2</b> | <b>2</b> | <b>6</b> | <b>7</b> | <b>3</b> | <b>0</b> |

|  |   |          |          |          |          |          |          |  |   |          |          |          |          |          |          |   |   |          |          |          |          |          |          |   |   |          |          |          |          |          |          |
|--|---|----------|----------|----------|----------|----------|----------|--|---|----------|----------|----------|----------|----------|----------|---|---|----------|----------|----------|----------|----------|----------|---|---|----------|----------|----------|----------|----------|----------|
|  |   |          | 5        | 5        | 2        |          |          |  | 5 | 2        | 3        |          |          |          | 2        | 3 | 9 |          |          |          | 9        | 0        | 6        |   |   |          |          |          |          |          |          |
|  | × |          | 6        | 2        | 9        |          | ×        |  | 7 | 1        | 7        |          | ×        |          | 4        | 7 | 7 |          | ×        |          | 3        | 9        | 6        |   |   |          |          |          |          |          |          |
|  |   |          | 4        | 9        | 6        | 8        |          |  |   | 3        | 6        | 6        | 1        |          |          |   | 1 | 6        | 7        | 3        |          |          |          | 5 | 4 | 3        | 6        |          |          |          |          |
|  |   |          | 1        | 1        | 0        | 4        | 0        |  |   |          | 5        | 2        | 3        | 0        |          |   |   | 1        | 6        | 7        | 3        | 0        |          |   |   | 8        | 1        | 5        | 4        | 0        |          |
|  |   | 3        | 3        | 1        | 2        | 0        | 0        |  |   | 3        | 6        | 6        | 1        | 0        | 0        |   |   |          | 9        | 5        | 6        | 0        | 0        |   |   | 2        | 7        | 1        | 8        | 0        | 0        |
|  |   | <b>3</b> | <b>4</b> | <b>7</b> | <b>2</b> | <b>0</b> | <b>8</b> |  |   | <b>3</b> | <b>7</b> | <b>4</b> | <b>9</b> | <b>9</b> | <b>1</b> |   |   | <b>1</b> | <b>1</b> | <b>4</b> | <b>0</b> | <b>0</b> | <b>3</b> |   |   | <b>3</b> | <b>5</b> | <b>8</b> | <b>7</b> | <b>7</b> | <b>6</b> |

|  |   |          |          |          |          |          |          |  |   |          |          |          |          |          |          |   |   |          |          |          |          |          |          |   |   |          |          |          |          |          |          |
|--|---|----------|----------|----------|----------|----------|----------|--|---|----------|----------|----------|----------|----------|----------|---|---|----------|----------|----------|----------|----------|----------|---|---|----------|----------|----------|----------|----------|----------|
|  |   |          | 6        | 4        | 7        |          |          |  | 4 | 0        | 5        |          |          |          | 6        | 8 | 4 |          |          |          | 1        | 9        | 5        |   |   |          |          |          |          |          |          |
|  | × |          | 7        | 1        | 0        |          | ×        |  | 3 | 4        | 8        |          | ×        |          | 8        | 8 | 9 |          | ×        |          | 6        | 0        | 9        |   |   |          |          |          |          |          |          |
|  |   |          | 0        | 0        | 0        |          |          |  | 3 | 2        | 4        | 0        |          |          |          | 6 | 1 | 5        | 6        |          |          |          | 1        | 7 | 5 | 5        |          |          |          |          |          |
|  |   |          | 6        | 4        | 7        | 0        |          |  |   | 1        | 6        | 2        | 0        | 0        |          |   |   | 5        | 4        | 7        | 2        | 0        |          |   |   | 0        | 0        | 0        | 0        |          |          |
|  |   | 4        | 5        | 2        | 9        | 0        | 0        |  |   | 1        | 2        | 1        | 5        | 0        | 0        |   |   | 5        | 4        | 7        | 2        | 0        | 0        |   |   | 1        | 1        | 7        | 0        | 0        | 0        |
|  |   | <b>4</b> | <b>5</b> | <b>9</b> | <b>3</b> | <b>7</b> | <b>0</b> |  |   | <b>1</b> | <b>4</b> | <b>0</b> | <b>9</b> | <b>4</b> | <b>0</b> |   |   | <b>6</b> | <b>0</b> | <b>8</b> | <b>0</b> | <b>7</b> | <b>6</b> |   |   | <b>1</b> | <b>1</b> | <b>8</b> | <b>7</b> | <b>5</b> | <b>5</b> |



# 3-digit by 3-digit Multiplication on a Grid (E)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 8 | 6 |
| × |  | 8 | 2 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 1 | 6 | 9 |
| × |  | 7 | 4 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 8 | 2 | 8 |
| × |  | 7 | 4 | 5 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 6 | 8 |
| × |  | 8 | 8 | 5 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 3 | 4 |
| × |  | 2 | 5 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 3 | 1 |
| × |  | 1 | 8 | 0 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 9 | 5 |
| × |  | 1 | 4 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 7 | 1 |
| × |  | 3 | 7 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 8 | 5 | 7 |
| × |  | 9 | 5 | 5 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 4 | 4 |
| × |  | 7 | 4 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 4 | 5 |
| × |  | 6 | 7 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 4 | 9 | 5 |
| × |  | 1 | 6 | 0 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

# 3-digit by 3-digit Multiplication on a Grid (E) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          |          |          | 6        | 8        | 6        |          |          |          | 1        | 6        | 9        |          |          |          | 8        | 2        | 8        |          |          |          | 9        | 6        | 8        |
|          | ×        |          | 8        | 2        | 8        |          | ×        |          | 7        | 4        | 1        |          | ×        |          | 7        | 4        | 5        |          | ×        |          | 8        | 8        | 5        |
|          |          | 5        | 4        | 8        | 8        |          |          |          | 1        | 6        | 9        |          |          | 4        | 1        | 4        | 0        |          |          | 4        | 8        | 4        | 0        |
|          | 1        | 3        | 7        | 2        | 0        |          |          | 6        | 7        | 6        | 0        |          | 3        | 3        | 1        | 2        | 0        |          | 7        | 7        | 4        | 4        | 0        |
| 5        | 4        | 8        | 8        | 0        | 0        | 1        | 1        | 8        | 3        | 0        | 0        | 5        | 7        | 9        | 6        | 0        | 0        | 7        | 7        | 4        | 4        | 0        | 0        |
| <b>5</b> | <b>6</b> | <b>8</b> | <b>0</b> | <b>0</b> | <b>8</b> | <b>1</b> | <b>2</b> | <b>5</b> | <b>2</b> | <b>2</b> | <b>9</b> | <b>6</b> | <b>1</b> | <b>6</b> | <b>8</b> | <b>6</b> | <b>0</b> | <b>8</b> | <b>5</b> | <b>6</b> | <b>6</b> | <b>8</b> | <b>0</b> |

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |   |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|
|          |          |          | 9        | 3        | 4        |          |          |          | 6        | 3        | 1        |          |          |          | 6        | 9        | 5        |          |          |          | 9        | 7        | 1 |
|          | ×        |          | 2        | 5        | 1        |          | ×        |          | 1        | 8        | 0        |          | ×        |          | 1        | 4        | 1        |          | ×        |          | 3        | 7        | 9 |
|          |          |          | 9        | 3        | 4        |          |          |          | 0        | 0        | 0        |          |          |          | 6        | 9        | 5        |          |          | 8        | 7        | 3        | 9 |
|          | 4        | 6        | 7        | 0        | 0        |          | 5        | 0        | 4        | 8        | 0        |          | 2        | 7        | 8        | 0        | 0        |          | 6        | 7        | 9        | 7        | 0 |
| 1        | 8        | 6        | 8        | 0        | 0        |          | 6        | 3        | 1        | 0        | 0        |          | 6        | 9        | 5        | 0        | 0        | 2        | 9        | 1        | 3        | 0        | 0 |
| <b>2</b> | <b>3</b> | <b>4</b> | <b>4</b> | <b>3</b> | <b>4</b> | <b>1</b> | <b>1</b> | <b>3</b> | <b>5</b> | <b>8</b> | <b>0</b> | <b>9</b> | <b>7</b> | <b>9</b> | <b>9</b> | <b>5</b> | <b>3</b> | <b>6</b> | <b>8</b> | <b>0</b> | <b>0</b> | <b>9</b> |   |

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |   |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|
|          |          |          | 8        | 5        | 7        |          |          |          | 9        | 4        | 4        |          |          |          | 7        | 4        | 5        |          |          |          | 4        | 9        | 5 |
|          | ×        |          | 9        | 5        | 5        |          | ×        |          | 7        | 4        | 1        |          | ×        |          | 6        | 7        | 8        |          | ×        |          | 1        | 6        | 0 |
|          |          | 4        | 2        | 8        | 5        |          |          |          | 9        | 4        | 4        |          |          | 5        | 9        | 6        | 0        |          |          | 0        | 0        | 0        |   |
|          | 4        | 2        | 8        | 5        | 0        |          | 3        | 7        | 7        | 6        | 0        |          | 5        | 2        | 1        | 5        | 0        |          | 2        | 9        | 7        | 0        | 0 |
| 7        | 7        | 1        | 3        | 0        | 0        | 6        | 6        | 0        | 8        | 0        | 0        | 4        | 4        | 7        | 0        | 0        | 0        | 4        | 9        | 5        | 0        | 0        |   |
| <b>8</b> | <b>1</b> | <b>8</b> | <b>4</b> | <b>3</b> | <b>5</b> | <b>6</b> | <b>9</b> | <b>9</b> | <b>5</b> | <b>0</b> | <b>4</b> | <b>5</b> | <b>0</b> | <b>5</b> | <b>1</b> | <b>1</b> | <b>0</b> | <b>7</b> | <b>9</b> | <b>2</b> | <b>0</b> | <b>0</b> |   |

# 3-digit by 3-digit Multiplication on a Grid (F)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 2 | 8 | 2 |
| × |  | 8 | 6 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 2 | 7 | 6 |
| × |  | 6 | 5 | 4 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 3 | 3 | 8 |
| × |  | 1 | 8 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 4 | 9 |
| × |  | 3 | 6 | 2 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 3 | 0 | 5 |
| × |  | 6 | 8 | 2 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 0 | 8 |
| × |  | 2 | 5 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 8 | 4 | 8 |
| × |  | 2 | 5 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 6 | 0 |
| × |  | 8 | 0 | 7 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 8 | 6 |
| × |  | 1 | 8 | 2 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 7 | 5 |
| × |  | 8 | 0 | 7 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 8 | 0 | 5 |
| × |  | 6 | 6 | 4 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 3 | 7 |
| × |  | 6 | 0 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

# 3-digit by 3-digit Multiplication on a Grid (F) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |   |   |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|---|
|          |          |          | 2        | 8        | 2        |          |          |          | 2        | 7        | 6        |          |          |          | 3        | 3        | 8        |          |          |          | 7        | 4        | 9 |   |
|          | ×        |          | 8        | 6        | 1        |          | ×        |          | 6        | 5        | 4        |          | ×        |          | 1        | 8        | 8        |          | ×        |          | 3        | 6        | 2 |   |
|          |          |          | 2        | 8        | 2        |          |          | 1        | 1        | 0        | 4        |          |          | 2        | 7        | 0        | 4        |          |          |          | 1        | 4        | 9 | 8 |
|          | 1        | 6        | 9        | 2        | 0        |          | 1        | 3        | 8        | 0        | 0        |          | 2        | 7        | 0        | 4        | 0        |          | 4        | 4        | 9        | 4        | 0 |   |
| 2        | 2        | 5        | 6        | 0        | 0        | 1        | 6        | 5        | 6        | 0        | 0        | 3        | 3        | 8        | 0        | 0        | 2        | 2        | 4        | 7        | 0        | 0        |   |   |
| <b>2</b> | <b>4</b> | <b>2</b> | <b>8</b> | <b>0</b> | <b>2</b> | <b>1</b> | <b>8</b> | <b>0</b> | <b>5</b> | <b>0</b> | <b>4</b> | <b>6</b> | <b>3</b> | <b>5</b> | <b>4</b> | <b>4</b> | <b>2</b> | <b>7</b> | <b>1</b> | <b>1</b> | <b>3</b> | <b>8</b> |   |   |

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |   |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|
|          |          |          | 3        | 0        | 5        |          |          |          | 9        | 0        | 8        |          |          |          | 8        | 4        | 8        |          |          |          | 9        | 6        | 0        |   |
|          | ×        |          | 6        | 8        | 2        |          | ×        |          | 2        | 5        | 8        |          | ×        |          | 2        | 5        | 9        |          | ×        |          | 8        | 0        | 7        |   |
|          |          |          | 6        | 1        | 0        |          |          | 7        | 2        | 6        | 4        |          |          | 7        | 6        | 3        | 2        |          |          |          | 6        | 7        | 2        | 0 |
|          | 2        | 4        | 4        | 0        | 0        |          | 4        | 5        | 4        | 0        | 0        |          | 4        | 2        | 4        | 0        | 0        |          |          |          | 0        | 0        | 0        | 0 |
| 1        | 8        | 3        | 0        | 0        | 0        | 1        | 8        | 1        | 6        | 0        | 0        | 1        | 6        | 9        | 6        | 0        | 0        | 7        | 6        | 8        | 0        | 0        | 0        |   |
| <b>2</b> | <b>0</b> | <b>8</b> | <b>0</b> | <b>1</b> | <b>0</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>2</b> | <b>6</b> | <b>4</b> | <b>2</b> | <b>1</b> | <b>9</b> | <b>6</b> | <b>3</b> | <b>2</b> | <b>7</b> | <b>7</b> | <b>4</b> | <b>7</b> | <b>2</b> | <b>0</b> |   |

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |   |   |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|---|
|          |          |          | 5        | 8        | 6        |          |          |          | 9        | 7        | 5        |          |          |          | 8        | 0        | 5        |          |          |          | 9        | 3        | 7        |   |   |
|          | ×        |          | 1        | 8        | 2        |          | ×        |          | 8        | 0        | 7        |          | ×        |          | 6        | 6        | 4        |          | ×        |          | 6        | 0        | 9        |   |   |
|          |          |          | 1        | 1        | 7        | 2        |          |          | 6        | 8        | 2        | 5        |          |          | 3        | 2        | 2        | 0        |          |          |          | 8        | 4        | 3 | 3 |
|          | 4        | 6        | 8        | 8        | 0        |          |          | 0        | 0        | 0        | 0        |          | 4        | 8        | 3        | 0        | 0        |          |          |          | 0        | 0        | 0        | 0 |   |
|          | 5        | 8        | 6        | 0        | 0        | 7        | 8        | 0        | 0        | 0        | 0        | 4        | 8        | 3        | 0        | 0        | 0        | 5        | 6        | 2        | 2        | 0        | 0        |   |   |
| <b>1</b> | <b>0</b> | <b>6</b> | <b>6</b> | <b>5</b> | <b>2</b> | <b>7</b> | <b>8</b> | <b>6</b> | <b>8</b> | <b>2</b> | <b>5</b> | <b>5</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>2</b> | <b>0</b> | <b>5</b> | <b>7</b> | <b>0</b> | <b>6</b> | <b>3</b> | <b>3</b> |   |   |

# 3-digit by 3-digit Multiplication on a Grid (G)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 3 | 3 | 0 |
| × |  | 5 | 3 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 3 | 2 | 4 |
| × |  | 9 | 6 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 1 | 3 |
| × |  | 1 | 9 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 1 | 2 |
| × |  | 8 | 2 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 1 | 0 |
| × |  | 7 | 4 | 7 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 9 | 6 |
| × |  | 2 | 4 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 6 | 6 |
| × |  | 9 | 0 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 2 | 0 | 4 |
| × |  | 5 | 3 | 0 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 7 | 3 |
| × |  | 1 | 7 | 4 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 3 | 6 |
| × |  | 7 | 5 | 2 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 6 | 5 |
| × |  | 5 | 3 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 6 | 6 |
| × |  | 3 | 1 | 5 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

# 3-digit by 3-digit Multiplication on a Grid (G) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |   |   |   |   |   |   |   |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|---|---|---|---|---|---|
|          |          |          | 3        | 3        | 0        |          |          |          | 3        | 2        | 4        |          |          |          | 9        | 1        | 3        |          |          |          | 5        | 1        | 2        |   |   |   |   |   |   |   |
|          | ×        |          | 5        | 3        | 1        |          | ×        |          | 9        | 6        | 1        |          | ×        |          | 1        | 9        | 8        |          | ×        |          | 8        | 2        | 8        |   |   |   |   |   |   |   |
|          |          |          | 3        | 3        | 0        |          |          |          | 3        | 2        | 4        |          |          |          | 7        | 3        | 0        | 4        |          |          |          | 4        | 0        | 9 | 6 |   |   |   |   |   |
|          |          |          | 9        | 9        | 0        | 0        |          |          |          | 1        | 9        | 4        | 4        | 0        |          |          |          | 8        | 2        | 1        | 7        | 0        |          |   |   | 1 | 0 | 2 | 4 | 0 |
| 1        | 6        | 5        | 0        | 0        | 0        | 2        | 9        | 1        | 6        | 0        | 0        | 9        | 1        | 3        | 0        | 0        | 4        | 0        | 9        | 6        | 0        | 0        |          |   |   |   |   |   |   |   |
| <b>1</b> | <b>7</b> | <b>5</b> | <b>2</b> | <b>3</b> | <b>0</b> | <b>3</b> | <b>1</b> | <b>1</b> | <b>3</b> | <b>6</b> | <b>4</b> | <b>1</b> | <b>8</b> | <b>0</b> | <b>7</b> | <b>7</b> | <b>4</b> | <b>4</b> | <b>2</b> | <b>3</b> | <b>9</b> | <b>3</b> | <b>6</b> |   |   |   |   |   |   |   |

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |   |   |   |   |   |   |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|---|---|---|---|---|
|          |          |          | 7        | 1        | 0        |          |          |          | 9        | 9        | 6        |          |          |          | 7        | 6        | 6        |          |          |          | 2        | 0        | 4        |   |   |   |   |   |   |
|          | ×        |          | 7        | 4        | 7        |          | ×        |          | 2        | 4        | 9        |          | ×        |          | 9        | 0        | 8        |          | ×        |          | 5        | 3        | 0        |   |   |   |   |   |   |
|          |          |          | 4        | 9        | 7        | 0        |          |          |          | 8        | 9        | 6        | 4        |          |          |          | 6        | 1        | 2        | 8        |          |          |          | 0 | 0 | 0 |   |   |   |
|          |          |          | 2        | 8        | 4        | 0        | 0        |          |          |          | 3        | 9        | 8        | 4        | 0        |          |          |          | 0        | 0        | 0        | 0        |          |   |   | 6 | 1 | 2 | 0 |
| 4        | 9        | 7        | 0        | 0        | 0        | 1        | 9        | 9        | 2        | 0        | 0        | 6        | 8        | 9        | 4        | 0        | 0        | 1        | 0        | 2        | 0        | 0        | 0        |   |   |   |   |   |   |
| <b>5</b> | <b>3</b> | <b>0</b> | <b>3</b> | <b>7</b> | <b>0</b> | <b>2</b> | <b>4</b> | <b>8</b> | <b>0</b> | <b>0</b> | <b>4</b> | <b>6</b> | <b>9</b> | <b>5</b> | <b>5</b> | <b>2</b> | <b>8</b> | <b>1</b> | <b>0</b> | <b>8</b> | <b>1</b> | <b>2</b> | <b>0</b> |   |   |   |   |   |   |

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |   |   |   |   |   |   |   |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|---|---|---|---|---|---|
|          |          |          | 9        | 7        | 3        |          |          |          | 6        | 3        | 6        |          |          |          | 7        | 6        | 5        |          |          |          | 9        | 6        | 6        |   |   |   |   |   |   |   |
|          | ×        |          | 1        | 7        | 4        |          | ×        |          | 7        | 5        | 2        |          | ×        |          | 5        | 3        | 1        |          | ×        |          | 3        | 1        | 5        |   |   |   |   |   |   |   |
|          |          |          | 3        | 8        | 9        | 2        |          |          |          | 1        | 2        | 7        | 2        |          |          |          | 7        | 6        | 5        |          |          |          | 4        | 8 | 3 | 0 |   |   |   |   |
|          |          |          | 6        | 8        | 1        | 1        | 0        |          |          |          | 3        | 1        | 8        | 0        | 0        |          |          |          | 2        | 2        | 9        | 5        | 0        |   |   |   | 9 | 6 | 6 | 0 |
|          |          |          | 9        | 7        | 3        | 0        | 0        | 4        | 4        | 5        | 2        | 0        | 0        | 3        | 8        | 2        | 5        | 0        | 0        | 2        | 8        | 9        | 8        | 0 | 0 |   |   |   |   |   |
| <b>1</b> | <b>6</b> | <b>9</b> | <b>3</b> | <b>0</b> | <b>2</b> | <b>4</b> | <b>7</b> | <b>8</b> | <b>2</b> | <b>7</b> | <b>2</b> | <b>4</b> | <b>0</b> | <b>6</b> | <b>2</b> | <b>1</b> | <b>5</b> | <b>3</b> | <b>0</b> | <b>4</b> | <b>2</b> | <b>9</b> | <b>0</b> |   |   |   |   |   |   |   |

# 3-digit by 3-digit Multiplication on a Grid (H)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 4 | 9 | 0 |
| × |  | 2 | 9 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 5 | 5 |
| × |  | 4 | 3 | 6 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 2 | 5 |
| × |  | 7 | 9 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 8 | 2 | 7 |
| × |  | 6 | 3 | 2 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 4 | 8 | 8 |
| × |  | 7 | 3 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 1 | 2 |
| × |  | 3 | 5 | 4 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 8 | 2 | 8 |
| × |  | 7 | 2 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 0 | 0 |
| × |  | 5 | 6 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 8 | 6 | 3 |
| × |  | 3 | 3 | 5 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 1 | 5 | 8 |
| × |  | 8 | 4 | 4 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 3 | 0 | 4 |
| × |  | 5 | 1 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 3 | 7 | 7 |
| × |  | 5 | 0 | 6 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

# 3-digit by 3-digit Multiplication on a Grid (H) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          |          |          | 4        | 9        | 0        |          |          |          | 7        | 5        | 5        |          |          |          | 5        | 2        | 5        |          |          |          | 8        | 2        | 7        |
|          | ×        |          | 2        | 9        | 9        |          | ×        |          | 4        | 3        | 6        |          | ×        |          | 7        | 9        | 9        |          | ×        |          | 6        | 3        | 2        |
|          |          | 4        | 4        | 1        | 0        |          |          | 4        | 5        | 3        | 0        |          |          | 4        | 7        | 2        | 5        |          |          | 1        | 6        | 5        | 4        |
|          | 4        | 4        | 1        | 0        | 0        |          | 2        | 2        | 6        | 5        | 0        |          | 4        | 7        | 2        | 5        | 0        |          | 2        | 4        | 8        | 1        | 0        |
|          | 9        | 8        | 0        | 0        | 0        | 3        | 0        | 2        | 0        | 0        | 0        | 3        | 6        | 7        | 5        | 0        | 0        | 4        | 9        | 6        | 2        | 0        | 0        |
| <b>1</b> | <b>4</b> | <b>6</b> | <b>5</b> | <b>1</b> | <b>0</b> | <b>3</b> | <b>2</b> | <b>9</b> | <b>1</b> | <b>8</b> | <b>0</b> | <b>4</b> | <b>1</b> | <b>9</b> | <b>4</b> | <b>7</b> | <b>5</b> | <b>5</b> | <b>2</b> | <b>2</b> | <b>6</b> | <b>6</b> | <b>4</b> |

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          |          |          | 4        | 8        | 8        |          |          |          | 7        | 1        | 2        |          |          |          | 8        | 2        | 8        |          |          |          | 9        | 0        | 0        |
|          | ×        |          | 7        | 3        | 8        |          | ×        |          | 3        | 5        | 4        |          | ×        |          | 7        | 2        | 8        |          | ×        |          | 5        | 6        | 9        |
|          |          | 3        | 9        | 0        | 4        |          |          | 2        | 8        | 4        | 8        |          |          | 6        | 6        | 2        | 4        |          |          | 8        | 1        | 0        | 0        |
|          | 1        | 4        | 6        | 4        | 0        |          | 3        | 5        | 6        | 0        | 0        |          | 1        | 6        | 5        | 6        | 0        |          | 5        | 4        | 0        | 0        | 0        |
| 3        | 4        | 1        | 6        | 0        | 0        | 2        | 1        | 3        | 6        | 0        | 0        | 5        | 7        | 9        | 6        | 0        | 0        | 4        | 5        | 0        | 0        | 0        | 0        |
| <b>3</b> | <b>6</b> | <b>0</b> | <b>1</b> | <b>4</b> | <b>4</b> | <b>2</b> | <b>5</b> | <b>2</b> | <b>0</b> | <b>4</b> | <b>8</b> | <b>6</b> | <b>0</b> | <b>2</b> | <b>7</b> | <b>8</b> | <b>4</b> | <b>5</b> | <b>1</b> | <b>2</b> | <b>1</b> | <b>0</b> | <b>0</b> |

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
|          |          |          | 8        | 6        | 3        |          |          |          | 1        | 5        | 8        |          |          |          | 3        | 0        | 4        |          |          |          | 3        | 7        | 7        |
|          | ×        |          | 3        | 3        | 5        |          | ×        |          | 8        | 4        | 4        |          | ×        |          | 5        | 1        | 8        |          | ×        |          | 5        | 0        | 6        |
|          |          | 4        | 3        | 1        | 5        |          |          | 6        | 3        | 2        |          |          | 2        | 4        | 3        | 2        |          |          | 2        | 2        | 6        | 2        |          |
|          | 2        | 5        | 8        | 9        | 0        |          | 6        | 3        | 2        | 0        |          | 3        | 0        | 4        | 0        |          | 0        | 0        | 0        | 0        |          |          |          |
| 2        | 5        | 8        | 9        | 0        | 0        | 1        | 2        | 6        | 4        | 0        | 0        | 1        | 5        | 2        | 0        | 0        | 0        | 1        | 8        | 8        | 5        | 0        | 0        |
| <b>2</b> | <b>8</b> | <b>9</b> | <b>1</b> | <b>0</b> | <b>5</b> | <b>1</b> | <b>3</b> | <b>3</b> | <b>3</b> | <b>5</b> | <b>2</b> | <b>1</b> | <b>5</b> | <b>7</b> | <b>4</b> | <b>7</b> | <b>2</b> | <b>1</b> | <b>9</b> | <b>0</b> | <b>7</b> | <b>6</b> | <b>2</b> |



# 3-digit by 3-digit Multiplication on a Grid (I)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 3 | 9 | 9 |
| × |  | 6 | 6 | 5 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 1 | 2 | 1 |
| × |  | 4 | 8 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 8 | 9 | 1 |
| × |  | 5 | 3 | 2 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 1 | 5 | 7 |
| × |  | 7 | 9 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 8 | 6 | 6 |
| × |  | 5 | 0 | 0 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 3 | 1 | 9 |
| × |  | 8 | 5 | 2 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 1 | 7 | 4 |
| × |  | 6 | 3 | 5 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 0 | 7 |
| × |  | 9 | 9 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 8 | 8 |
| × |  | 2 | 4 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 8 | 8 |
| × |  | 5 | 7 | 7 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 1 | 2 | 7 |
| × |  | 4 | 8 | 7 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 3 | 2 | 8 |
| × |  | 7 | 5 | 2 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

# 3-digit by 3-digit Multiplication on a Grid (I) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |   |   | 3 | 9 | 9 |   |   |   | 1 | 2 | 1 |   |   |   | 8 | 9 | 1 |   |   |   | 1 | 5 | 7 |   |   |   |   |
|   | × |   | 6 | 6 | 5 |   | × |   | 4 | 8 | 1 |   | × |   | 5 | 3 | 2 |   | × |   | 7 | 9 | 8 |   |   |   |   |
|   |   |   | 1 | 9 | 9 | 5 |   |   |   | 1 | 2 | 1 |   |   |   | 1 | 7 | 8 | 2 |   |   |   | 1 | 2 | 5 | 6 |   |
|   |   | 2 | 3 | 9 | 4 | 0 |   |   |   | 9 | 6 | 8 | 0 |   |   | 2 | 6 | 7 | 3 | 0 |   |   | 1 | 4 | 1 | 3 | 0 |
| 2 | 3 | 9 | 4 | 0 | 0 |   | 4 | 8 | 4 | 0 | 0 | 4 | 4 | 5 | 5 | 0 | 0 | 1 | 0 | 9 | 9 | 0 | 0 |   |   |   |   |
| 2 | 6 | 5 | 3 | 3 | 5 | 5 | 8 | 2 | 0 | 1 | 4 | 7 | 4 | 0 | 1 | 2 | 1 | 2 | 5 | 2 | 8 | 6 |   |   |   |   |   |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |   |   | 8 | 6 | 6 |   |   |   | 3 | 1 | 9 |   |   |   | 1 | 7 | 4 |   |   |   | 7 | 0 | 7 |   |
|   | × |   | 5 | 0 | 0 |   | × |   | 8 | 5 | 2 |   | × |   | 6 | 3 | 5 |   | × |   | 9 | 9 | 8 |   |
|   |   |   | 0 | 0 | 0 |   |   |   | 6 | 3 | 8 |   |   |   | 8 | 7 | 0 |   |   |   | 5 | 6 | 5 | 6 |
|   |   | 0 | 0 | 0 | 0 |   | 1 | 5 | 9 | 5 | 0 |   |   | 5 | 2 | 2 | 0 |   | 6 | 3 | 6 | 3 | 0 |   |
| 4 | 3 | 3 | 0 | 0 | 0 | 2 | 5 | 5 | 2 | 0 | 0 | 1 | 0 | 4 | 4 | 0 | 0 | 6 | 3 | 6 | 3 | 0 | 0 |   |
| 4 | 3 | 3 | 0 | 0 | 0 | 2 | 7 | 1 | 7 | 8 | 8 | 1 | 1 | 0 | 4 | 9 | 0 | 7 | 0 | 5 | 5 | 8 | 6 |   |

|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|   |   |   | 9 | 8 | 8 |   |   |   | 5 | 8 | 8 |   |   |   | 1 | 2 | 7 |   |   |   | 3 | 2 | 8 |   |
|   | × |   | 2 | 4 | 1 |   | × |   | 5 | 7 | 7 |   | × |   | 4 | 8 | 7 |   | × |   | 7 | 5 | 2 |   |
|   |   |   | 9 | 8 | 8 |   |   | 4 | 1 | 1 | 6 |   |   |   | 8 | 8 | 9 |   |   |   | 6 | 5 | 6 |   |
|   |   | 3 | 9 | 5 | 2 | 0 |   | 4 | 1 | 1 | 6 | 0 |   | 1 | 0 | 1 | 6 | 0 |   | 1 | 6 | 4 | 0 | 0 |
| 1 | 9 | 7 | 6 | 0 | 0 | 2 | 9 | 4 | 0 | 0 | 0 | 5 | 0 | 8 | 0 | 0 | 2 | 2 | 9 | 6 | 0 | 0 |   |   |
| 2 | 3 | 8 | 1 | 0 | 8 | 3 | 3 | 9 | 2 | 7 | 6 | 6 | 1 | 8 | 4 | 9 | 2 | 4 | 6 | 6 | 5 | 6 |   |   |

# 3-digit by 3-digit Multiplication on a Grid (J)

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 0 | 6 |
| × |  | 1 | 8 | 7 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 6 | 0 |
| × |  | 3 | 4 | 3 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 4 | 4 | 4 |
| × |  | 2 | 6 | 4 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 9 | 7 | 7 |
| × |  | 2 | 0 | 1 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 2 | 9 | 0 |
| × |  | 9 | 3 | 6 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 1 | 4 | 3 |
| × |  | 5 | 2 | 0 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 5 | 7 |
| × |  | 4 | 3 | 4 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 4 | 3 | 2 |
| × |  | 5 | 1 | 8 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 4 | 2 | 8 |
| × |  | 8 | 6 | 3 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 7 | 5 | 2 |
| × |  | 6 | 7 | 0 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 6 | 9 | 1 |
| × |  | 4 | 3 | 7 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

|   |  |   |   |   |
|---|--|---|---|---|
|   |  | 5 | 8 | 1 |
| × |  | 7 | 1 | 9 |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |
|   |  |   |   |   |

# 3-digit by 3-digit Multiplication on a Grid (J) Answers

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Score: \_\_\_\_\_

Calculate each product. Use the grid to help you line up the numbers.

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |   |   |   |   |   |   |   |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|---|---|---|---|---|---|
|          |          |          | 7        | 0        | 6        |          |          |          | 5        | 6        | 0        |          |          |          | 4        | 4        | 4        |          |          |          | 9        | 7        | 7        |   |   |   |   |   |   |   |
|          | ×        |          | 1        | 8        | 7        |          | ×        |          | 3        | 4        | 3        |          | ×        |          | 2        | 6        | 4        |          | ×        |          | 2        | 0        | 1        |   |   |   |   |   |   |   |
|          |          |          | 4        | 9        | 4        | 2        |          |          |          | 1        | 6        | 8        | 0        |          |          |          | 1        | 7        | 7        | 6        |          |          |          | 9 | 7 | 7 |   |   |   |   |
|          |          |          | 5        | 6        | 4        | 8        | 0        |          |          |          | 2        | 2        | 4        | 0        | 0        |          |          |          | 2        | 6        | 6        | 4        | 0        |   |   |   | 0 | 0 | 0 | 0 |
|          |          |          | 7        | 0        | 6        | 0        | 0        | 1        | 6        | 8        | 0        | 0        | 0        |          |          |          | 8        | 8        | 8        | 0        | 0        | 1        | 9        | 5 | 4 | 0 | 0 |   |   |   |
| <b>1</b> | <b>3</b> | <b>2</b> | <b>0</b> | <b>2</b> | <b>2</b> | <b>1</b> | <b>9</b> | <b>2</b> | <b>0</b> | <b>8</b> | <b>0</b> | <b>1</b> | <b>1</b> | <b>7</b> | <b>2</b> | <b>1</b> | <b>6</b> | <b>1</b> | <b>9</b> | <b>6</b> | <b>3</b> | <b>7</b> | <b>7</b> |   |   |   |   |   |   |   |

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |   |   |   |   |   |   |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|---|---|---|---|---|
|          |          |          | 2        | 9        | 0        |          |          |          | 1        | 4        | 3        |          |          |          | 5        | 5        | 7        |          |          |          | 4        | 3        | 2 |   |   |   |   |   |
|          | ×        |          | 9        | 3        | 6        |          | ×        |          | 5        | 2        | 0        |          | ×        |          | 4        | 3        | 4        |          | ×        |          | 5        | 1        | 8 |   |   |   |   |   |
|          |          |          | 1        | 7        | 4        | 0        |          |          |          | 0        | 0        | 0        |          |          |          | 2        | 2        | 2        | 8        |          |          |          | 3 | 4 | 5 | 6 |   |   |
|          |          |          | 8        | 7        | 0        | 0        |          |          |          | 2        | 8        | 6        | 0        |          |          |          | 1        | 6        | 7        | 1        | 0        |          |   |   | 4 | 3 | 2 | 0 |
| 2        | 6        | 1        | 0        | 0        | 0        | 7        | 1        | 5        | 0        | 0        | 2        | 2        | 2        | 8        | 0        | 0        | 2        | 1        | 6        | 0        | 0        | 0        |   |   |   |   |   |   |
| <b>2</b> | <b>7</b> | <b>1</b> | <b>4</b> | <b>4</b> | <b>0</b> | <b>7</b> | <b>4</b> | <b>3</b> | <b>6</b> | <b>0</b> | <b>2</b> | <b>4</b> | <b>1</b> | <b>7</b> | <b>3</b> | <b>8</b> | <b>2</b> | <b>2</b> | <b>3</b> | <b>7</b> | <b>7</b> | <b>6</b> |   |   |   |   |   |   |

|          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |          |   |   |   |   |   |   |   |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|---|---|---|---|---|---|
|          |          |          | 4        | 2        | 8        |          |          |          | 7        | 5        | 2        |          |          |          | 6        | 9        | 1        |          |          |          | 5        | 8        | 1        |   |   |   |   |   |   |   |
|          | ×        |          | 8        | 6        | 3        |          | ×        |          | 6        | 7        | 0        |          | ×        |          | 4        | 3        | 7        |          | ×        |          | 7        | 1        | 9        |   |   |   |   |   |   |   |
|          |          |          | 1        | 2        | 8        | 4        |          |          |          | 0        | 0        | 0        |          |          |          | 4        | 8        | 3        | 7        |          |          |          | 5        | 2 | 2 | 9 |   |   |   |   |
|          |          |          | 2        | 5        | 6        | 8        | 0        |          |          |          | 5        | 2        | 6        | 4        | 0        |          |          |          | 2        | 0        | 7        | 3        | 0        |   |   |   | 5 | 8 | 1 | 0 |
| 3        | 4        | 2        | 4        | 0        | 0        | 4        | 5        | 1        | 2        | 0        | 0        | 2        | 7        | 6        | 4        | 0        | 0        | 4        | 0        | 6        | 7        | 0        | 0        |   |   |   |   |   |   |   |
| <b>3</b> | <b>6</b> | <b>9</b> | <b>3</b> | <b>6</b> | <b>4</b> | <b>5</b> | <b>0</b> | <b>3</b> | <b>8</b> | <b>4</b> | <b>0</b> | <b>3</b> | <b>0</b> | <b>1</b> | <b>9</b> | <b>6</b> | <b>7</b> | <b>4</b> | <b>1</b> | <b>7</b> | <b>7</b> | <b>3</b> | <b>9</b> |   |   |   |   |   |   |   |