

117 **In Addition**

Fill in the blanks with the numbers 1–9 so that the sum of each row is the number to the right, and the sum of each column is the number below it.

|    |    |    |    |
|----|----|----|----|
|    |    |    | 11 |
| 4  | 2  |    | 11 |
| 8  |    | 4  | 19 |
| 15 | 14 | 12 |    |

118 **It's Touching**

Fill in the blank boxes with the numbers 1–5. Each full row and column contains the numbers 1, 2, 3, 4, and 5. Each shaded number is the sum of all the numbers touching it.

|   |    |   |    |   |
|---|----|---|----|---|
|   | 2  |   | 1  |   |
| 1 | 23 | 2 | 23 | 3 |
| 2 | 5  |   | 4  |   |
| 4 | 27 | 4 | 24 | 5 |
|   | 3  | 1 | 4  |   |

## 119 Thinking of a Number

I'm thinking of a four-digit number in which:

- the sum of the first two digits is eight.
- the sum of all the digits is seventeen.

|  |   |   |  |
|--|---|---|--|
|  | 5 | 5 |  |
|--|---|---|--|

## 120 Fill in the Blanks

Fill in the blanks to make this equation true.

$$\begin{array}{r}
 \boxed{\phantom{0}} \boxed{\phantom{0}} 7 \\
 + \phantom{0} 9 9 \\
 \hline
 4 \phantom{0} 5 \boxed{\phantom{0}}
 \end{array}$$

## 121 Operation Box

Fill in each blank box with a number so that everything that touches is true and positive.

|         |    |   |   |
|---------|----|---|---|
| Start → |    |   |   |
| 7       | −  | 2 | = |
| =       |    |   | 5 |
|         |    |   | + |
| −       | 16 | = |   |

122 **Sudoku**

Each row, column, and 2 x 2 box has the numbers 1, 2, 3, and 4. Fill in the blanks to complete the puzzle.

|   |   |   |   |
|---|---|---|---|
| 1 | 3 | 2 |   |
|   |   | 1 | 3 |
|   | 1 |   | 2 |
|   | 2 | 4 | 1 |

123 **In Addition**

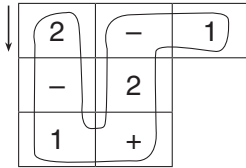
Fill in the blanks with the numbers 1–9 so that the sum of each row is the number to the right, and the sum of each column is the number below it.

|    |    |    |    |
|----|----|----|----|
|    | 6  | 4  | 12 |
| 5  |    |    | 18 |
|    |    | 1  | 9  |
| 10 | 17 | 12 |    |

# Answer Key *(cont.)*

115. 2

Paths will vary but may be similar to:



116.

|         |         |       |
|---------|---------|-------|
| 5 + 13  | 2 x 7   | 8 - 5 |
| 18      | 14      | 3     |
| 72 - 34 | 34 + 17 | 4 x 9 |
| 38      | 51      | 36    |
| 56 + 32 | 84 - 43 | 2 x 3 |
| 88      | 41      | 6     |

|         |         |         |
|---------|---------|---------|
| 31 + 47 | 4 x 6   | 22 - 16 |
| 78      | 24      | 6       |
| 3 - 2   | 33 - 22 | 7 x 8   |
| 1       | 11      | 56      |
| 7 x 4   | 18 + 26 | 31 - 14 |
| 28      | 44      | 17      |

|         |         |         |
|---------|---------|---------|
| 53 - 35 | 32 + 23 | 3 x 9   |
| 18      | 55      | 27      |
| 6 x 4   | 16 + 26 | 91 - 19 |
| 24      | 42      | 72      |
| 1 x 21  | 82 - 28 | 22 + 34 |
| 21      | 54      | 56      |

|         |         |         |
|---------|---------|---------|
| 42 + 49 | 33 - 16 | 4 x 8   |
| 91      | 17      | 32      |
| 28 - 17 | 8 x 5   | 52 + 23 |
| 11      | 40      | 75      |
| 5 x 7   | 14 + 18 | 66 - 33 |
| 35      | 32      | 33      |

117.

|    |    |    |    |
|----|----|----|----|
| 3  | 5  | 3  | 11 |
| 4  | 2  | 5  | 11 |
| 8  | 7  | 4  | 19 |
| 15 | 14 | 12 |    |

118.

|   |    |   |    |   |
|---|----|---|----|---|
| 3 | 2  | 5 | 1  | 4 |
| 1 | 23 | 2 | 23 | 3 |
| 2 | 5  | 3 | 4  | 1 |
| 4 | 27 | 4 | 24 | 5 |
| 5 | 3  | 1 | 4  | 2 |

119.

|   |   |   |   |
|---|---|---|---|
| 3 | 5 | 5 | 4 |
|---|---|---|---|

120.

|   |   |   |
|---|---|---|
| 3 | 5 | 7 |
| + | 9 | 9 |
| 4 | 5 | 6 |

121.

|       |    |   |    |   |
|-------|----|---|----|---|
| Start | 7  | - | 2  | = |
| =     |    |   |    | 5 |
| 9     |    |   |    | + |
| -     | 16 | = | 11 |   |

122.

|   |   |   |   |
|---|---|---|---|
| 1 | 3 | 2 | 4 |
| 2 | 4 | 1 | 3 |
| 4 | 1 | 3 | 2 |
| 3 | 2 | 4 | 1 |

123.

|    |    |    |    |
|----|----|----|----|
| 2  | 6  | 4  | 12 |
| 5  | 6  | 7  | 18 |
| 3  | 5  | 1  | 9  |
| 10 | 17 | 12 |    |

124. Answers will vary but may be similar to:

|   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| 4 | + | 2 | + | 4 | + | 3 |
| + | 1 | + | 5 | + | 4 | + |
| 3 | + | 2 | + | 5 | + | 6 |
| + | 7 | + | 2 | + | 1 | + |
| 2 | + | 1 | + | 4 | + | 3 |
| + | 2 | + | 5 | + | 6 | + |
| 3 | + | 2 | + | 5 | + | 3 |

125.

|   |   |   |
|---|---|---|
| 3 | 7 | 9 |
| + | 4 | 3 |
| 4 | 2 | 2 |

126.

|   |   |   |   |
|---|---|---|---|
| 9 | 6 | 5 | 5 |
|---|---|---|---|

127.

|       |   |   |   |   |   |
|-------|---|---|---|---|---|
| Start | 7 | + | 2 | = | 9 |
| =     |   |   |   | - |   |
| 5     | + | 2 | = | 7 |   |