## WEEK 30

## SMASHED SUMS AND

## JAPANESE SUMS

Ashish Kumar Smashed Sums Thomas Snyder Smashed Sums Murat Can Tonta Smashed Sums Serkan Yürekli Japanese Sums JinHoo Ahn Japanese Sums Prasanna Seshadri Japanese Sums

GRANDMASTER PUZZLES


## Smashed Sums by Ashish Kumar

Rules: Fill each row and column of the grid with the digits in the indicated range and two blackened cells. Numbers outside the grid indicate the sum of the digits between the two blackened cells in that row or column. Blackened cells are allowed to touch.


## Smashed Sums by Thomas Snyder

Rules: Fill each row and column of the grid with the digits in the indicated range and two blackened cells. Numbers outside the grid indicate the sum of the digits between the two blackened cells in that row or column. Blackened cells are allowed to touch.


## Smashed Sums by Murat Can Tonta

Rules: Fill each row and column of the grid with the digits in the indicated range and two blackened cells. Numbers outside the grid indicate the sum of the digits between the two blackened cells in that row or column. Blackened cells are allowed to touch.


## Japanese Sums by Serkan Yürekli

Rules: Place the digits in the indicated range in some of the cells, so that no digit is repeated in any row or column. Numbers on the outside of the grid indicate the sums of adjacent digit groups in that row or column, in order. Each sum is separated by at least one unused cell.


|  | 9 8 <br> 6 9 | $\begin{aligned} & 7 \\ & 6 \end{aligned}$ |  | $\left\lvert\, \begin{array}{c\|c} 19 & 3 \\ 2 & 15 \end{array}\right.$ |
| :---: | :---: | :---: | :---: | :---: |
| 89 |  |  |  |  |
| 812 |  |  |  |  |
| 87 |  |  |  |  |
|  |  |  |  |  |
| 411 |  |  |  |  |
| 67 |  |  |  |  |
|  |  |  |  |  |
| 124 |  |  |  |  |
| able Clues \{1-6\} |  |  |  |  |

## Japanese Sums by JinHoo Ahn

Rules: Place the digits in the indicated range in some of the cells, so that no digit is repeated in any row or column. Numbers on the outside of the grid indicate the sums of adjacent digit groups in that row or column, in order. Each sum is separated by at least one unused cell.

|  |  | 8 | 1 | 1 |  |  | 8 |  |  |  | 1 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 4 | 810 | 9139 | 913 |  | 4 | 8 | 10 | 91 |  | 9 |  |
|  |  | 716 | 1111 | 18 |  | 21 | 7 | 16 | 11 | 11 | 11 | 8 |
| 816 |  |  |  |  | 816 | 3 | 5 |  | 9 | 2 | 1 | 4 |
| 649 |  |  |  |  | 649 | 1 | 3 | 2 |  | 4 |  | 9 |
|  |  |  |  |  |  |  |  | 3 |  | 1 | 9 |  |
| 2263 |  |  |  |  | 2263 | 9 | 8 | 5 |  | 6 |  | 3 |
|  |  |  |  |  |  | 7 |  |  | 1 |  |  | 5 |
| 5714 |  |  |  |  | 5714 | 5 |  | 7 |  | 8 | 6 |  |
| 168 |  |  |  |  | 168 |  | 7 | 9 |  | 3 | 5 |  |
| $\{1-9\}$ |  |  |  |  |  |  |  |  |  |  |  |  |


|  |  |  | 18 | 15 | 9 | 9 | 3 |  | 15 | 3 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  | 6 | 6 | 12 | 12 | 3 |  | 6 | 6 |  |
| 6 | 3 |  |  |  |  |  |  |  |  |  |
| 6 | 15 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| 18 | 6 |  |  |  |  |  |  |  |  |  |
| 9 | 9 |  |  |  |  |  |  |  |  |  |
| 6 | 6 |  |  |  |  |  |  |  |  |  |
| 9 | 18 |  |  |  |  |  |  |  |  |  |
| 27 |  |  |  |  |  |  |  |  |  |  |

## Japanese Sums by Prasanna Seshadri

Rules: Place the digits in the indicated range in some of the cells, so that no digit is repeated in any row or column. Numbers on the outside of the grid indicate the sums of adjacent digit groups in that row or column, in order. Each sum is separated by at least one unused cell. A ? can represent any sum of 1 or larger.

|  |  | 8 |  | 1 |  |  | 8 |  |  | 1 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 4 | 810 | 913 | 913 |  | 4 | 8 | 10 | 913 | 9 |  |
|  |  | 716 | 111 | 118 |  | 21 | 7 | 16 | 111 | 1 | 8 |
| 816 |  |  |  |  | 816 | 3 | 5 |  | 92 | 1 | 4 |
| 649 |  |  |  |  | 649 | 1 | 3 | 2 | 4 |  | 9 |
|  |  |  |  |  |  |  |  | 3 | 1 | 9 |  |
| 2263 |  |  |  |  | 2263 | 9 | 8 | 5 | 6 |  | 3 |
|  |  |  |  |  |  | 7 |  |  | 1 |  | 5 |
| 5714 |  |  |  |  | 5714 | 5 |  | 7 | 8 | 6 |  |
| 168 |  |  |  |  | 168 |  | 7 | 9 | 3 | 5 |  |
| \{1-9\} |  |  |  |  |  |  |  |  |  |  |  |


|  | $12\|3\| 4\|5\| 6\|7\| 8\|9\| 1011$ 2221201918171615141312 222120191817161514 ? ? |  |  |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 151515 |  |  |  |  |  |  |  |  |  |
| 510 |  |  |  |  |  |  |  |  |  |
| 155162 |  |  |  |  |  |  |  |  |  |
| 355 |  |  |  |  |  |  |  |  |  |
| 161415 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| 22107 |  |  |  |  |  |  |  |  |  |
| 815155 |  |  |  |  |  |  |  |  |  |
| 78155 |  |  |  |  |  |  |  |  |  |

Stopped on the Way Back
\{1-9\}

