FIGURE LOGIC
by L. G. Horsefield

Solve this puzzle as you would a regular crossword. However, instead of the usual definitions, the clues are arithmetic problems or definitions that require you to know the digits to the answer of another clue. Work back and forth between clues and answers to fill in the entire diagram. To help you begin, we've entered 4-Down. (Additional help: Since 4-Down is "Twice 5-Down," 5-Down is 52.)
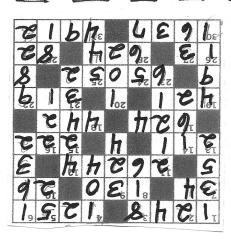
ACROSS

1. 2-Down multiplied by 5-Down
4. Three more than 1-Across
7. One-third of 20-Down
8. Five times 10-Across
10. Two more than 2-Down
11. 14-Down multiplied by itself
13. Its first digit is the sum of the other two digits
15. Same digit three times
17. Six times 4-Down
18. 7-Across multiplied by 26-Across
19. 20-Down plus 21-Across
21. Five less than 9-Down
23. 4-Across multiplied by 5-Down
26. Half of 10-Across
28. Same as 17-Across
29. One more than 29-Down
30. Five more than 6-Down
31. One more than 19-Down

DOWN

1. 4-Down multiplied by 26-Across
2. Two-thirds of 27-Down
3. 2-Down multiplied by 7-Across
4. Twice 5-Down
5. Twice 10-Across
6. Twice 3-Down
9. Nine times 27-Down
11. 6-Down multiplied by 26-Across
12. Twice 11-Down
14. Half of 9-Down
16. Half of 18-Across
19. Three times 30-Across
20. Two less than 4-Down
22. Twice 19-Down
24. Consecutive digits in order
25. 18-Across plus 20-Down
27. Two more than 7-Across
29. One-seventh of 24-Down

Fold Under

ANSWER