

# POWERSCORE

## Variety Puzzles Solutions

The following puzzles sharpen critical reasoning skills, which are required to succeed on the SAT.

### All in a Row

Which row below contains the most consecutive numbers adding up to 10? Some groups overlap. An example is underlined in each group.

- 1.) 4 (1 9) 6 (2 3 5) (1 8) (1 9) 4 (2 6) (2 2) 3 1 (2 8) (3 3 3) 1 6 (2 1 7) (2 8) = 13
- 2.) (5 2 3) 6 2 (1 3 6) (6 4) 2 1 (1 1 8) 3 2 9 (7 3) 1 (2 4) (2 2) (1 1) 2 3 6 = 8
- 3.) (6 1 1 2) (1 1 3 4 1) (2 6 2) (2 1 4 3) (3 6 1) (1 1 3) (2 2) (2 2) (1 9) = 14

### Magic Squares

For each puzzle below, fill in the empty boxes with a number so that each column, each row, each diagonal, the four centers squares, the four corner squares, and each quarter equals the number below the diagram. Each number in the diagram can only be used once.

80	15	10	65
25	50	55	40
45	30	35	60
20	75	70	5

170

36	19	8	20
7	21	24	31
28	27	11	17
12	16	40	15

85

### Movie Cryptolists

In a cryptolist, each letter of the alphabet has been consistently replaced by a new letter throughout the list. The following list contains movies that take place on or around the sea. The movie's release year follows the clue. Can you figure out the title of all 8 movies?

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|--|---|
| <p>1. O L D A D U P D E O Y O S U J (2000)<br/>The Perfect Storm</p> <p>2. O L D H R O O H D J D U J C R F (1989)<br/>The Little Mermaid</p> <p>3. P U D D K R H H N (1994)<br/>Free Willy</p> <p>4. A R U C O D Y S P O L D E C U R K K D C G (2003)<br/>Pirates of the Caribbean</p> | <p>5. I C K Y (1975)<br/>Jaws</p> <p>6. E C Y O C K C N (2000)<br/>Cast Away</p> <p>7. O R O C G R E (1997)<br/>Titanic</p> <p>8. S A D G K C O D U (2003)<br/>Open Water</p> |
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