

## Adjacent Squares Puzzle

Find 3 adjacent squares that add to 50. Adjacent squares share a common side or a common vertex. Four examples are given. Find as many solutions as you can. A number can be used more than one solution.

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 21 | 4  | 10 | 34 | 19 | 25 |
| 16 | 18 | 19 | 6  | 22 | 21 |
| 24 | 5  | 11 | 27 | 10 | 13 |
| 17 | 20 | 39 | 12 | 19 | 2  |
| 3  | 14 | 16 | 21 | 15 | 16 |
| 23 | 24 | 36 | 14 | 17 | 18 |

Source:

*Gimmicks* Central Iowa Mathematics Project and Mathematics Association of Victoria

Find 3 adjacent squares that add to 60. Find as many solutions as you can.

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 45 | 2  | 13 | 10 | 29 | 13 |
| 44 | 14 | 32 | 30 | 17 | 18 |
| 23 | 31 | 1  | 7  | 20 | 26 |
| 15 | 12 | 33 | 25 | 19 | 16 |
| 35 | 41 | 4  | 43 | 34 | 21 |
| 11 | 3  | 8  | 9  | 22 | 5  |
| 43 | 6  | 24 | 33 | 27 | 28 |

Find 3 adjacent squares whose product is 60. Find as many solutions as you can.

|    |    |    |    |    |    |
|----|----|----|----|----|----|
| 24 | 20 | 1  | 3  | 40 | 60 |
| 3  | 5  | 3  | 30 | 1  | 5  |
| 40 | 1  | 24 | 2  | 4  | 6  |
| 60 | 2  | 3  | 1  | 5  | 12 |
| 30 | 1  | 20 | 3  | 6  | 10 |
| 2  | 6  | 10 | 4  | 2  | 1  |
| 60 | 40 | 3  | 1  | 20 | 24 |

Master – so you can make your own puzzle (or your students can make theirs).

