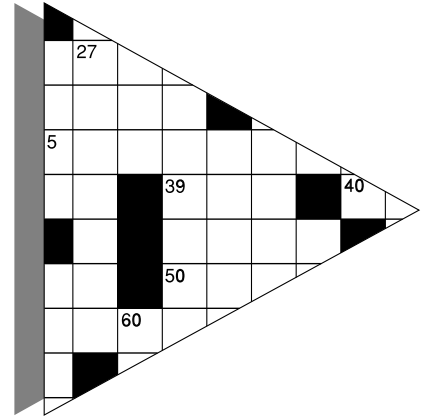


Real-Life Career Activity

Crossword Puzzle Designer

Crossword puzzles appear in almost every newspaper in the United States. In addition, collections of crossword puzzles are available at bookstores. The people who design these puzzles must have a good vocabulary and be clever at thinking up clues. The designs of crossword puzzles are traditionally symmetrical in some way. Some puzzles have only one line of symmetry, while others have several lines of symmetry. Today, puzzle designers use computer software to help them design their puzzles and ensure that they are symmetrical.



Here is an example of a simple 4-by-4 puzzle with one line of symmetry.

	O	F	
O	P	E	N
	A	T	
F	L	A	P

Solve.

- The following crossword puzzle has already been designed.

S	N	A	K	E

The first word, SNAKE, has been filled in. Place the remaining words into the puzzle: SIT-UP, EVENS, ARENA, PEARS, and THERE. Mark any lines of symmetry.

- Design a different 5-by-5 crossword puzzle. Remember that the design must be symmetrical. Try to find words that will fit your design. Mark any lines of symmetry in the puzzle boxes.