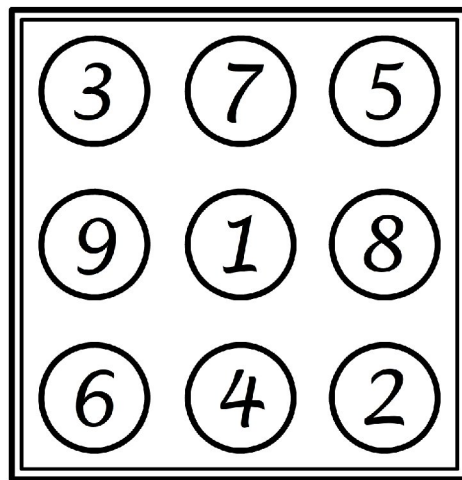


What Goes Where?

Number and Logic Puzzles

John L. Lehet



Use the numbers 1,2,3,4,5,6,7,8 and 9

hints

1. numbers in the top row are primes
2. numbers in the left column are multiples of 3
3. numbers in the bottom row are factors of 12
4. "2" is next to only "4" and "8"

Introduction

What Goes Where? puzzles are new and original puzzles that present you with a series of “hints”. Using these “hints”, you try to correctly place the specified numbers into circles in the puzzle.

What Goes Where? puzzles are a great introduction to problem solving. In order to solve them, you need to be able to:

- read and understand a series of hints
- follow simple directions
- use reasoning skills to draw basic conclusions
- understand number concepts, such as even, odd, sum and prime
- understand number relationships
- be familiar with numbers, specifically positive integers
- mentally perform basic arithmetic operations (addition, subtraction and multiplication)

What Goes Where? puzzles are great for individual puzzlers as well as for classrooms. In a classroom environment, they can be used to assist in developing problem solving skills as well as improving deductive reasoning, mental math and number familiarity skills.

The glossary contains descriptions of the puzzles and the terms used throughout the book. There are 100 puzzles included as well as solutions to each.

Good luck and enjoy!

John L. Lehet

Guide to Puzzlers

What Goes Where? puzzles provide hints that the puzzler needs to read and understand in order to solve each puzzle. Within these hints, there may be some terms younger puzzlers may not be familiar with. In addition, there may be some terms that require a firmer definition.

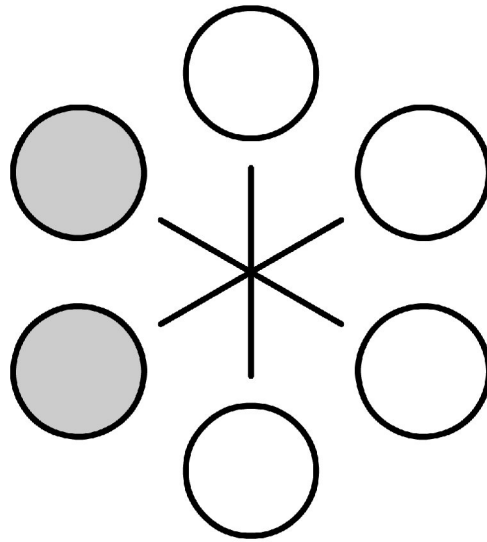
As a result, there are a series of glossaries in the back of the book. The first is a Glossary of Puzzles. This glossary details each type of puzzle, providing illustrations of each puzzle type and definitions of commonly used terms and phrases.

The second is a Glossary of Figures. This glossary illustrates the figures used throughout the puzzles, specifically, the types of puzzles and the types of circles within the puzzles.

Finally, there is the Glossary of Terms. This provides definitions for commonly used terms as well as examples.

It is highly recommended that you quickly glance at each glossary before you start your puzzling venture. If, throughout your puzzling, you uncover a term or phrase that is unfamiliar or requires clarification, refer to the glossaries for assistance.

puzzle 5

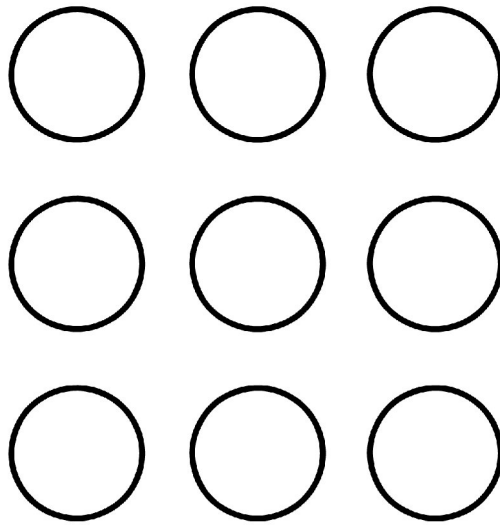


Use the numbers 1,3,5,7,9 and 11

hints

1. the number in the top circle is the sum of the numbers in the three bottom circles
2. "3" is in the bottom circle
3. "7" is next to "5" and "9"
4. "11" is in a gray circle

puzzle 25



Use the numbers 1,2,3,4,5,6,7,8 and 9

hints

1. the left column contains only multiples of 3
2. the center row contains only multiples of 2
3. the bottom row contains only odd numbers
4. "4" is in the top row
5. the top row contains the smallest number in each column
6. "2" is in the center circle
7. the center column contains the smallest number in each row