

CODE BREAKERS

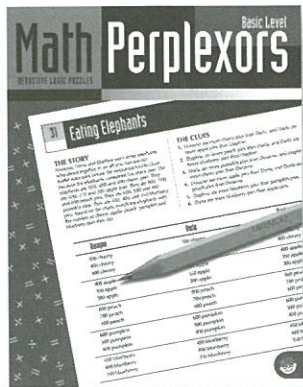
Break the Color Code with Math and Logic



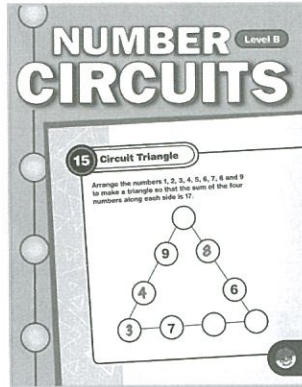
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MindWare Original Math and Logic Puzzles

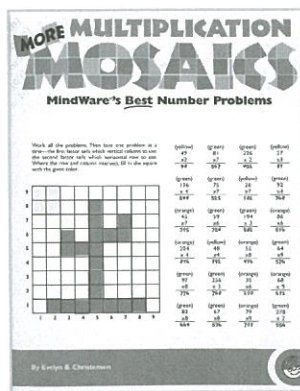
Children will master math facts and improve critical thinking skills with MindWare's line of code-cracking, pattern-plotting puzzles. Visit mindware.com to see our full selection for all ability levels.



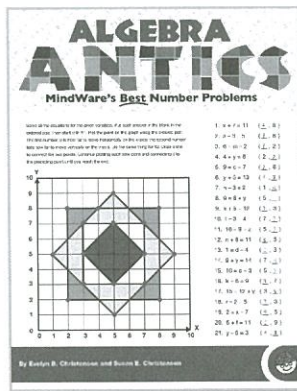
Math Perplexors: Deductive reasoning and math skills are put to the test in these entertaining brain teasers.



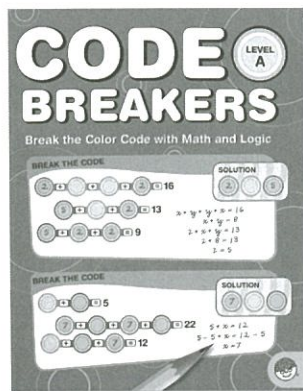
Number Circuits: Inspired by the classic "magic square" number grid, these fun and fascinating puzzles improve math and logic skills magically!



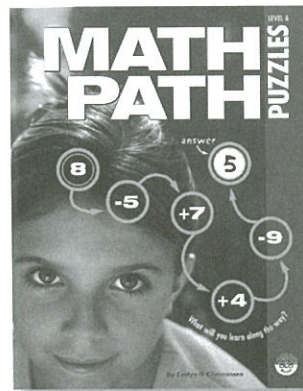
Multiplication Mosaics: Turn math into a work of art! Simply solve the multiplication problems, plot the answers on the grid and watch the designs take shape.



Algebra Antics: In these algebra exercises, FUN is the unknown quantity! Solve the equations, plot the points and reveal secret pictures.



Code Breakers: Crack the codes behind the colors and watch math and logic skills soar.



Math Path Puzzles: The path to strong math skills is full of fun with these missing number puzzles. Use critical thinking skills to navigate to the correct solution.

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Code Breakers Level A

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INSTRUCTIONS

There are a few things to remember when solving Code Breakers puzzles:

- All the colors represent positive numbers; there are no negative numbers in the puzzle solutions.
- All of the colors represent whole numbers; there are no fractions in the puzzle solutions.
- None of the colors equal zero.

SAMPLE PUZZLE

Code Breaker puzzles can be solved by breaking down the larger puzzle into several small steps. Consider this sample puzzle:

$$\text{Purple} + \text{Purple} + \text{Blue} = 11$$

$$\text{Purple} + \text{Blue} = 7$$

$$\text{Green} + \text{Green} + \text{Blue} = 7$$

If you can find the value of one color, you can then replace that color with its value in every clue.

HINT: You can even replace multiple colors in one clue with values you know from the other clues.

In the sample puzzle, the second clue tells you that $\text{Purple} + \text{Blue} = 7$. Even though you don't know the value of Purple or Blue yet, you can use that information in other clues. Look for places that have $\text{Purple} + \text{Blue}$.

In the first clue, you can replace $\text{Purple} + \text{Blue}$ with the value you already know, so you end up with the following equation:

$$\text{Purple} + \text{Purple} + \text{Blue} = 11$$

$$\text{Purple} + 7 = 11 \quad \text{Replace } \text{Purple} + \text{Blue} \text{ with } 7.$$

HINT: You can simplify problems by performing the same operation on both sides.

$$\text{Purple} + 7 - 7 = 11 - 7 \quad \text{Subtract 7 from each side of the equation.}$$

$$\text{Purple} = 11 - 7 \quad \text{The numbers on the left side cancel each other out.}$$

So Purple equals 4.

Now you can replace Purple in each clue with its value of 4.

The second clue can be solved now, using similar steps.

$$4 + \text{Blue} = 7 \quad \text{Replace } \text{Purple} \text{ with } 4.$$

$$4 - 4 + \text{Blue} = 7 - 4 \quad \text{Subtract 4 from each side of the equation.}$$

$$\text{Blue} = 7 - 4 \quad \text{The numbers on the left side cancel one another out.}$$

So Blue equals 3.

Now solve the third clue.

Remember, you can replace colors with known values and simplify the problem by performing the same operation on both sides.

$$\text{Green} + \text{Green} + 3 = 7 \quad \text{Replace } \text{Blue} \text{ with } 3.$$

$$\text{Green} + \text{Green} + 3 - 3 = 7 - 3 \quad \text{Subtract 3 from each side of the equation.}$$

$$\text{Green} + \text{Green} = 7 - 3 \quad \text{The numbers on the left side of the equation cancel each other out.}$$

$$\text{Green} + \text{Green} = 4 \quad \text{Notice that both sides of the equation are divisible by 2.}$$

$$(\text{Green} + \text{Green}) \div 2 = 4 \div 2 \quad \text{Divide each side of the equation by 2.}$$

$$\text{Green} = 4 \div 2$$

So Green equals 2.

You've solved the problem!

$$3 + 4 + 2$$

Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 1

$$\text{Blue} + \text{Blue} = 12$$

$$\text{Red} + \text{Green} = 12$$

$$\text{Green} + \text{Blue} = 11$$

SOLUTION



PUZZLE 2

$$\text{Green} + \text{Red} = 13$$

$$\text{Red} + \text{Red} = 8$$

$$\text{Blue} + \text{Green} = 11$$

SOLUTION



PUZZLE 3

$$\text{Red} + \text{Blue} = 13$$

$$\text{Green} + \text{Green} = 14$$

$$\text{Red} + \text{Green} = 12$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 4

$$\text{Green} + \text{Red} = 13$$

$$\text{Red} + \text{Blue} = 15$$

$$\text{Green} + \text{Green} = 10$$

SOLUTION



PUZZLE 5

$$\text{Blue} + \text{Green} = 11$$

$$\text{Red} + \text{Red} = 16$$

$$\text{Red} + \text{Blue} = 12$$

SOLUTION



PUZZLE 6

$$\text{Red} + \text{Blue} + \text{Red} + \text{Blue} = 22$$

$$\text{Blue} + \text{Blue} = 16$$

$$\text{Green} + \text{Red} = 10$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 7

$$\text{Blue} + \text{Blue} + \text{Blue} + \text{Blue} = 12$$

$$\text{Blue} + \text{Red} + \text{Green} = 10$$

$$\text{Green} + \text{Blue} = 4$$

SOLUTION



PUZZLE 8

$$\text{Blue} + \text{Red} = 15$$

$$\text{Green} + \text{Blue} = 13$$

$$\text{Red} + \text{Red} = 12$$

SOLUTION



PUZZLE 9

$$\text{Blue} + \text{Green} = 15$$

$$\text{Green} + \text{Red} = 11$$

$$\text{Red} + \text{Red} + \text{Red} = 12$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 10

$$\text{Green} + \text{Red} = 13$$

$$\text{Red} + \text{Red} = 12$$

$$\text{Blue} + \text{Green} = 10$$

SOLUTION



PUZZLE 11

$$\text{Blue} + \text{Blue} = 6$$

$$\text{Green} + \text{Blue} = 11$$

$$\text{Red} + \text{Green} = 13$$

SOLUTION



PUZZLE 12

$$\text{Red} + \text{Red} = 16$$

$$\text{Red} + \text{Blue} = 12$$

$$\text{Blue} + \text{Green} = 13$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 13

$$\text{Red} + \text{Red} = 6$$

$$\text{Red} + \text{Blue} + \text{Green} = 14$$

$$\text{Red} + \text{Green} = 10$$

SOLUTION



PUZZLE 14

$$\text{Blue} + \text{Blue} = 16$$

$$\text{Red} + \text{Green} + \text{Blue} = 19$$

$$\text{Green} + \text{Blue} = 13$$

SOLUTION



PUZZLE 15

$$\text{Green} + \text{Green} + \text{Green} + \text{Green} = 20$$

$$\text{Green} + \text{Red} + \text{Red} = 11$$

$$\text{Red} + \text{Blue} = 10$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 16

$$\text{Green} + \text{Red} + \text{Blue} = 20$$

$$\text{Blue} + \text{Blue} = 16$$

$$\text{Red} + \text{Blue} + \text{Red} = 18$$

SOLUTION



PUZZLE 17

$$\text{Green} + \text{Blue} + \text{Green} = 17$$

$$\text{Blue} + \text{Red} + \text{Red} + \text{Blue} = 20$$

$$\text{Red} + \text{Red} + \text{Red} = 9$$

SOLUTION



PUZZLE 18

$$\text{Red} + \text{Blue} + \text{Red} = 26$$

$$\text{Green} + \text{Green} + \text{Green} + \text{Green} = 16$$

$$\text{Blue} + \text{Green} + \text{Green} + \text{Blue} = 24$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 19

$$\text{Blue} + \text{Blue} + \text{Blue} = 15$$

$$\text{Red} + \text{Red} + \text{Blue} + \text{Red} = 14$$

$$\text{Green} + \text{Red} + \text{Red} + \text{Green} = 20$$

SOLUTION



PUZZLE 20

$$\text{Green} + \text{Green} + \text{Green} = 15$$

$$\text{Blue} + \text{Green} + \text{Blue} = 13$$

$$\text{Red} + \text{Blue} = 13$$

SOLUTION



PUZZLE 21

$$\text{Red} + \text{Blue} + \text{Green} = 13$$

$$\text{Blue} + \text{Blue} + \text{Blue} = 18$$

$$\text{Green} + \text{Blue} + \text{Green} + \text{Blue} = 20$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 22

$$\text{Red} + \text{Red} + \text{Red} = 15$$

$$\text{Blue} + \text{Green} + \text{Red} = 17$$

$$\text{Green} + \text{Red} + \text{Green} = 21$$

SOLUTION



PUZZLE 23

$$\text{Red} + \text{Blue} = 12$$

$$\text{Red} + \text{Red} = 14$$

$$\text{Green} + \text{Blue} + \text{Green} = 13$$

SOLUTION



PUZZLE 24

$$\text{Green} + \text{Green} + \text{Green} = 12$$

$$\text{Green} + \text{Blue} = 10$$

$$\text{Blue} + \text{Red} + \text{Red} = 12$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 25

$$\text{Blue} + \text{Green} = 9$$

$$\text{Red} + \text{Blue} = 13$$

$$\text{Red} + \text{Blue} + \text{Red} = 18$$

SOLUTION



PUZZLE 26

$$\text{Green} + \text{Red} = 13$$

$$\text{Blue} + \text{Green} = 16$$

$$\text{Blue} + \text{Green} + \text{Blue} = 25$$

SOLUTION



PUZZLE 27

$$\text{Green} + \text{Red} + \text{Blue} = 13$$

$$\text{Blue} + \text{Green} = 9$$

$$\text{Red} + \text{Blue} = 11$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 28

$$\text{Blue} + \text{Red} + \text{Blue} = 16$$

$$\text{Green} + \text{Red} = 9$$

$$\text{Red} + \text{Blue} = 10$$

SOLUTION



PUZZLE 29

$$\text{Blue} + \text{Red} = 13$$

$$\text{Blue} - \text{Green} = 1$$

$$\text{Blue} + \text{Red} + \text{Red} = 18$$

SOLUTION



PUZZLE 30

$$\text{Blue} + \text{Green} + \text{Green} = 20$$

$$\text{Red} + \text{Blue} = 11$$

$$\text{Blue} + \text{Red} - \text{Green} = 5$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 31

$$\text{Green} + \text{Blue} = 15$$

$$\text{Red} + \text{Green} - \text{Blue} = 10$$

$$\text{Green} + \text{Red} = 17$$

SOLUTION



PUZZLE 32

$$\text{Green} + \text{Blue} - \text{Red} = 0$$

$$\text{Blue} + \text{Red} = 9$$

$$\text{Green} + \text{Blue} = 5$$

SOLUTION



PUZZLE 33

$$\text{Red} + \text{Blue} = 9$$

$$\text{Blue} + \text{Red} + \text{Blue} = 15$$

$$\text{Green} + \text{Blue} + \text{Green} = 16$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 34

$$\text{Green} + \text{Green} + \text{Red} + \text{Red} = 20$$

$$\text{Green} + \text{Red} - \text{Blue} = 3$$

$$\text{Blue} + \text{Green} = 11$$

SOLUTION



PUZZLE 35

$$\text{Blue} + \text{Green} - \text{Red} = 5$$

$$\text{Green} + \text{Red} + \text{Blue} = 15$$

$$\text{Red} + \text{Blue} = 12$$

SOLUTION



PUZZLE 36

$$\text{Blue} + \text{Green} + \text{Green} + \text{Blue} = 16$$

$$\text{Red} + \text{Green} + \text{Blue} = 13$$

$$\text{Red} + \text{Blue} + \text{Blue} = 9$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 37

$$\text{Blue} + \text{Red} + \text{Green} = 11$$

$$\text{Red} + \text{Red} + \text{Green} + \text{Green} = 8$$

$$\text{Blue} + \text{Red} + \text{Red} + \text{Blue} = 20$$

SOLUTION



PUZZLE 38

$$\text{Blue} + \text{Red} + \text{Red} + \text{Blue} = 20$$

$$\text{Green} + \text{Red} + \text{Blue} = 16$$

$$\text{Red} + \text{Green} + \text{Blue} + \text{Blue} = 23$$

SOLUTION



PUZZLE 39

$$\text{Blue} + \text{Red} = 13$$

$$\text{Green} + \text{Blue} = 11$$

$$\text{Red} + \text{Green} = 6$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 40

$$\text{Blue} + \text{Green} = 9$$

$$\text{Red} + \text{Blue} = 12$$

$$\text{Blue} + \text{Green} - \text{Red} = 4$$

SOLUTION



PUZZLE 41

$$\text{Red} + \text{Blue} = 10$$

$$\text{Blue} + \text{Green} + \text{Green} + \text{Green} = 15$$

$$\text{Green} + \text{Blue} + \text{Blue} + \text{Green} = 14$$

SOLUTION



PUZZLE 42

$$\text{Blue} + \text{Green} + \text{Red} = 20$$

$$\text{Red} + \text{Green} - \text{Blue} = 4$$

$$\text{Green} + \text{Blue} + \text{Green} = 18$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 43

SOLUTION



$$\text{Red} + \text{Blue} + \text{Blue} + \text{Red} = 20$$

$$\text{Red} + \text{Green} + \text{Blue} = 15$$

$$\text{Green} + \text{Green} + \text{Red} + \text{Red} = 24$$

PUZZLE 44

SOLUTION



$$\text{Blue} + \text{Red} + \text{Red} + \text{Red} = 15$$

$$\text{Red} + \text{Blue} = 9$$

$$\text{Blue} + \text{Green} + \text{Blue} = 17$$

PUZZLE 45

SOLUTION



$$\text{Green} + \text{Green} + \text{Red} = 15$$

$$\text{Red} + \text{Red} + \text{Red} = 21$$

$$\text{Green} + \text{Red} - \text{Blue} = 2$$

Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 46

$$\text{Red} + \text{Green} + \text{Red} + \text{Green} = 20$$

$$\text{Green} + \text{Blue} = 7$$

$$\text{Blue} + \text{Red} = 13$$

SOLUTION



PUZZLE 47

$$\text{Blue} + \text{Blue} + \text{Red} = 23$$

$$\text{Green} + \text{Green} + \text{Red} = 19$$

$$\text{Red} + \text{Blue} + \text{Blue} + \text{Blue} = 32$$

SOLUTION



PUZZLE 48

$$\text{Red} + \text{Blue} + \text{Blue} + \text{Red} = 24$$

$$\text{Green} + \text{Green} + \text{Red} + \text{Red} = 20$$

$$\text{Red} + \text{Red} + \text{Blue} = 20$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 49

$$\text{Blue} + \text{Blue} + \text{Red} = 19$$

$$\text{Red} + \text{Blue} + \text{Blue} + \text{Red} = 24$$

$$\text{Green} + \text{Green} + \text{Green} + \text{Blue} = 10$$

SOLUTION



PUZZLE 50

$$\text{Green} + \text{Blue} + \text{Green} + \text{Blue} = 18$$

$$\text{Green} + \text{Red} + \text{Red} + \text{Green} = 26$$

$$\text{Blue} + \text{Blue} + \text{Blue} + \text{Green} + \text{Green} = 20$$

SOLUTION



PUZZLE 51

$$\text{Red} + \text{Green} + \text{Green} + \text{Red} = 30$$

$$\text{Blue} + \text{Green} + \text{Red} = 19$$

$$\text{Green} + \text{Green} + \text{Blue} = 16$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 52

$$\text{Green} + \text{Orange} + \text{Orange} = 21$$

$$\text{Orange} + \text{Blue} + \text{Orange} = 19$$

$$\text{Orange} + \text{Green} + \text{Green} + \text{Orange} = 30$$

SOLUTION



PUZZLE 53

$$\text{Orange} + \text{Blue} = 16$$

$$\text{Green} + \text{Orange} = 15$$

$$\text{Orange} + \text{Green} + \text{Green} = 21$$

SOLUTION



PUZZLE 54

$$\text{Green} + \text{Green} + \text{Blue} = 23$$

$$\text{Blue} + \text{Orange} + \text{Green} = 19$$

$$\text{Green} + \text{Orange} = 12$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 55

$$\text{Blue} + \text{Green} = 15$$

$$\text{Red} + \text{Blue} = 11$$

$$\text{Green} + \text{Blue} - \text{Red} = 13$$

SOLUTION



PUZZLE 56

$$\text{Green} + \text{Red} + \text{Green} = 16$$

$$\text{Blue} + \text{Blue} + \text{Red} + \text{Red} = 30$$

$$\text{Red} + \text{Red} + \text{Blue} = 23$$

SOLUTION



PUZZLE 57

$$\text{Blue} + \text{Red} + \text{Blue} + \text{Red} = 20$$

$$\text{Red} + \text{Green} + \text{Blue} = 15$$

$$\text{Green} + \text{Green} + \text{Blue} = 19$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 58

$$\text{Green} + \text{Blue} + \text{Red} = 16$$

$$\text{Green} + \text{Green} + \text{Blue} + \text{Blue} = 20$$

$$\text{Blue} + \text{Red} + \text{Red} + \text{Blue} = 26$$

SOLUTION



PUZZLE 59

$$\text{Blue} + \text{Red} = 11$$

$$\text{Green} + \text{Blue} = 10$$

$$\text{Blue} + \text{Green} + \text{Red} = 14$$

SOLUTION



PUZZLE 60

$$\text{Blue} + \text{Red} + \text{Red} = 21$$

$$\text{Red} + \text{Red} + \text{Red} + \text{Blue} = 27$$

$$\text{Green} + \text{Blue} = 14$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 61

$$\text{Green} + \text{Red} = 5$$

$$\text{Blue} + \text{Red} + \text{Blue} + \text{Red} = 22$$

$$\text{Green} + \text{Red} + \text{Blue} = 12$$

SOLUTION



PUZZLE 62

$$\text{Blue} + \text{Red} = 13$$

$$\text{Red} + \text{Green} + \text{Green} = 11$$

$$\text{Red} + \text{Red} + \text{Blue} = 18$$

SOLUTION



PUZZLE 63

$$\text{Green} + \text{Green} + \text{Blue} + \text{Blue} + \text{Red} = 27$$

$$\text{Red} + \text{Green} + \text{Blue} = 16$$

$$\text{Blue} + \text{Green} + \text{Blue} = 15$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 64

$$\text{Red} + \text{Red} + \text{Blue} = 8$$

$$\text{Red} + \text{Red} + \text{Blue} + \text{Blue} = 12$$

$$\text{Red} + \text{Blue} + \text{Green} + \text{Green} = 18$$

SOLUTION



PUZZLE 65

$$\text{Red} + \text{Blue} - \text{Green} = 0$$

$$\text{Red} + \text{Blue} = 12$$

$$\text{Red} + \text{Red} + \text{Blue} = 16$$

SOLUTION



PUZZLE 66

$$\text{Blue} + \text{Red} = 12$$

$$\text{Green} + \text{Red} + \text{Blue} = 16$$

$$\text{Red} - \text{Blue} = 2$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 67

SOLUTION

$$\text{Red} + \text{Blue} - \text{Green} = 6$$

$$\text{Red} + \text{Blue} + \text{Blue} = 16$$

$$\text{Blue} - \text{Green} = 4$$



PUZZLE 68

SOLUTION

$$\text{Blue} + \text{Blue} + \text{Red} = 15$$

$$\text{Green} + \text{Red} + \text{Red} + \text{Green} + \text{Blue} = 25$$

$$\text{Blue} + \text{Green} + \text{Red} = 14$$



PUZZLE 69

SOLUTION

$$\text{Blue} + \text{Red} + \text{Blue} = 20$$

$$\text{Red} + \text{Blue} + \text{Red} + \text{Blue} = 24$$

$$\text{Green} + \text{Red} + \text{Red} = 15$$



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 70

$$\text{Green} + \text{Green} + \text{Red} + \text{Red} = 22$$

$$\text{Red} + \text{Green} + \text{Blue} = 16$$

$$\text{Blue} + \text{Red} = 13$$

SOLUTION



PUZZLE 71

$$\text{Green} + \text{Blue} + \text{Blue} = 20$$

$$\text{Red} + \text{Green} + \text{Red} = 18$$

$$\text{Blue} + \text{Green} = 12$$

SOLUTION



PUZZLE 72

$$\text{Red} + \text{Green} + \text{Green} + \text{Red} = 22$$

$$\text{Green} + \text{Red} + \text{Green} = 15$$

$$\text{Blue} + \text{Blue} + \text{Red} = 17$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 73

SOLUTION



$$\text{Red} + \text{Blue} = 9$$

$$\text{Blue} + \text{Green} = 6$$

$$\text{Green} + \text{Red} = 7$$

PUZZLE 74

SOLUTION



$$\text{Red} + \text{Red} + \text{Red} + \text{Blue} = 16$$

$$\text{Blue} + \text{Green} = 12$$

$$\text{Red} + \text{Blue} + \text{Blue} + \text{Red} = 20$$

PUZZLE 75

SOLUTION



$$\text{Green} + \text{Blue} + \text{Red} = 12$$

$$\text{Blue} + \text{Red} - \text{Green} = 10$$

$$\text{Red} + \text{Blue} + \text{Blue} = 14$$

Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 76

$$\text{Blue} + \text{Red} + \text{Green} + \text{Green} + \text{Red} = 14$$

$$\text{Red} + \text{Blue} + \text{Green} = 11$$

$$\text{Red} + \text{Blue} = 10$$

SOLUTION



PUZZLE 77

$$\text{Blue} + \text{Red} = 14$$

$$\text{Red} - \text{Blue} = 2$$

$$\text{Green} + \text{Green} + \text{Blue} = 10$$

SOLUTION



PUZZLE 78

$$\text{Blue} + \text{Red} + \text{Green} = 21$$

$$\text{Blue} + \text{Red} - \text{Green} = 3$$

$$\text{Green} + \text{Blue} = 17$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 79

$$\text{Blue} + \text{Green} + \text{Red} = 13$$

$$\text{Red} + \text{Green} + \text{Blue} + \text{Blue} = 20$$

$$\text{Green} + \text{Red} + \text{Red} = 8$$

SOLUTION



PUZZLE 80

$$\text{Blue} + \text{Red} + \text{Red} + \text{Blue} = 20$$

$$\text{Blue} + \text{Red} - \text{Green} = 3$$

$$\text{Green} + \text{Green} + \text{Blue} = 18$$

SOLUTION



PUZZLE 81

$$\text{Green} + \text{Blue} + \text{Blue} = 8$$

$$\text{Red} + \text{Green} + \text{Blue} = 13$$

$$\text{Green} + \text{Red} - \text{Blue} = 7$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 82

$$\text{Blue} + \text{Red} = 13$$

$$\text{Blue} + \text{Red} + \text{Blue} + \text{Blue} = 21$$

$$\text{Red} + \text{Green} + \text{Green} + \text{Blue} = 17$$

SOLUTION



PUZZLE 83

$$\text{Red} + \text{Blue} + \text{Green} = 14$$

$$\text{Green} + \text{Blue} + \text{Green} = 21$$

$$\text{Green} + \text{Green} + \text{Red} + \text{Blue} + \text{Blue} = 27$$

SOLUTION



PUZZLE 84

$$\text{Green} + \text{Blue} + \text{Green} + \text{Green} = 19$$

$$\text{Blue} + \text{Blue} + \text{Green} + \text{Green} = 22$$

$$\text{Green} + \text{Red} - \text{Blue} = 5$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 85

$$\text{Blue} + \text{Blue} + \text{Red} = 22$$

$$\text{Red} + \text{Blue} + \text{Red} + \text{Blue} = 26$$

$$\text{Red} + \text{Green} + \text{Red} = 14$$

SOLUTION



PUZZLE 86

$$\text{Green} + \text{Blue} + \text{Green} = 9$$

$$\text{Red} + \text{Red} + \text{Blue} = 17$$

$$\text{Green} + \text{Red} = 12$$

SOLUTION



PUZZLE 87

$$\text{Red} + \text{Blue} + \text{Green} = 14$$

$$\text{Green} + \text{Red} + \text{Red} = 17$$

$$\text{Green} + \text{Red} - \text{Blue} = 6$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 88

$$\text{Blue} + \text{Blue} + \text{Blue} + \text{Red} = 24$$

$$\text{Red} + \text{Blue} - \text{Green} = 6$$

$$\text{Green} + \text{Red} + \text{Blue} = 14$$

SOLUTION



PUZZLE 89

$$\text{Red} + \text{Blue} = 8$$

$$\text{Green} + \text{Red} + \text{Red} = 17$$

$$\text{Green} + \text{Blue} + \text{Blue} = 9$$

SOLUTION



PUZZLE 90

$$\text{Blue} + \text{Green} + \text{Green} = 13$$

$$\text{Green} + \text{Red} + \text{Red} + \text{Green} = 22$$

$$\text{Red} + \text{Blue} + \text{Green} = 16$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 91

$$\text{Green} + \text{Red} = 12$$

$$\text{Blue} + \text{Green} = 15$$

$$\text{Red} + \text{Blue} = 13$$

SOLUTION



PUZZLE 92

$$\text{Red} + \text{Green} + \text{Green} + \text{Red} = 24$$

$$\text{Blue} + \text{Green} = 11$$

$$\text{Blue} + \text{Red} = 15$$

SOLUTION



PUZZLE 93

$$\text{Red} + \text{Blue} = 17$$

$$\text{Green} + \text{Red} = 13$$

$$\text{Blue} + \text{Green} = 14$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 94

$$\text{Red Circle} + \text{Green Circle} = 10$$

$$\text{Blue Circle} + \text{Red Circle} = 14$$

$$\text{Green Circle} + \text{Blue Circle} = 12$$

SOLUTION



PUZZLE 95

$$\text{Green Circle} + \text{Green Circle} + \text{Green Circle} + \text{Red Circle} = 22$$

$$\text{Red Circle} + \text{Red Circle} + \text{Green Circle} + \text{Red Circle} = 18$$

$$\text{Green Circle} + \text{Blue Circle} + \text{Red Circle} = 13$$

SOLUTION



PUZZLE 96

$$\text{Green Circle} + \text{Green Circle} + \text{Red Circle} = 21$$

$$\text{Green Circle} + \text{Red Circle} + \text{Red Circle} = 24$$

$$\text{Red Circle} + \text{Green Circle} + \text{Blue Circle} = 20$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 97

$$\text{Green} + \text{Red} + \text{Green} = 24$$

$$\text{Red} + \text{Green} + \text{Green} + \text{Red} = 30$$

$$\text{Red} + \text{Blue} + \text{Green} = 20$$

SOLUTION



PUZZLE 98

$$\text{Blue} + \text{Green} - \text{Red} = 8$$

$$\text{Green} + \text{Blue} + \text{Blue} = 16$$

$$\text{Red} + \text{Blue} + \text{Green} = 20$$

SOLUTION



PUZZLE 99

$$\text{Blue} + \text{Red} + \text{Green} + \text{Green} = 26$$

$$\text{Green} + \text{Red} + \text{Red} + \text{Green} = 30$$

$$\text{Green} + \text{Red} + \text{Blue} = 20$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 100

$$\text{Green} + \text{Green} + \text{Blue} + \text{Green} = 16$$

$$\text{Green} + \text{Blue} + \text{Blue} + \text{Green} = 20$$

$$\text{Blue} + \text{Red} = 16$$

SOLUTION



PUZZLE 101

$$\text{Blue} - (\text{Red} + \text{Green}) = 0$$

$$\text{Blue} + \text{Red} + \text{Red} = 10$$

$$\text{Green} + \text{Blue} + \text{Red} = 16$$

SOLUTION



PUZZLE 102

$$\text{Red} + \text{Blue} + \text{Green} + \text{Red} = 14$$

$$\text{Blue} + \text{Green} + \text{Red} = 13$$

$$\text{Blue} + \text{Green} + \text{Blue} = 16$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 103

$$\text{Blue} + \text{Red} + \text{Green} = 13$$

$$\text{Red} + \text{Blue} = 9$$

$$\text{Green} + \text{Blue} + \text{Blue} = 16$$

SOLUTION



PUZZLE 104

$$\text{Green} + \text{Blue} + \text{Red} + \text{Red} = 17$$

$$\text{Green} + \text{Blue} + \text{Green} + \text{Red} = 18$$

$$\text{Red} + \text{Green} + \text{Blue} = 14$$

SOLUTION



PUZZLE 105

$$\text{Blue} + \text{Green} + \text{Green} = 17$$

$$\text{Blue} + \text{Green} - \text{Red} = 5$$

$$\text{Green} - \text{Red} = 2$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 106

$$\text{Green} + \text{Blue} + \text{Red} + \text{Green} = 25$$

$$\text{Red} + \text{Blue} + \text{Green} = 19$$

$$\text{Green} + \text{Blue} + \text{Green} + \text{Blue} = 20$$

SOLUTION



PUZZLE 107

$$\text{Green} + \text{Red} - \text{Blue} = 9$$

$$\text{Red} - \text{Blue} = 1$$

$$\text{Blue} + \text{Green} = 13$$

SOLUTION



PUZZLE 108

$$\text{Red} + \text{Blue} - \text{Green} = 1$$

$$\text{Green} + \text{Blue} + \text{Green} = 14$$

$$\text{Blue} + \text{Red} = 6$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 109

$$\text{Red} + \text{Blue} + \text{Green} = 16$$

$$\text{Green} + \text{Blue} - \text{Red} = 6$$

$$\text{Red} + \text{Green} = 9$$

SOLUTION



PUZZLE 110

$$\text{Blue} + \text{Red} - \text{Green} = 7$$

$$\text{Green} + \text{Green} + \text{Blue} = 17$$

$$\text{Red} + \text{Blue} = 13$$

SOLUTION



PUZZLE 111

$$\text{Red} + \text{Red} + \text{Red} + \text{Green} = 27$$

$$\text{Red} + \text{Green} + \text{Green} + \text{Red} = 30$$

$$\text{Blue} + \text{Green} = 13$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 112

$$\text{Blue} + \text{Green} + \text{Red} = 14$$

$$\text{Red} + \text{Green} + \text{Green} + \text{Red} = 22$$

$$\text{Blue} + \text{Green} + \text{Red} + \text{Blue} + \text{Green} = 21$$

SOLUTION



PUZZLE 113

$$\text{Blue} + \text{Red} + \text{Green} = 19$$

$$\text{Green} + \text{Blue} - \text{Red} = 9$$

$$\text{Red} + \text{Green} + \text{Red} = 18$$

SOLUTION



PUZZLE 114

$$\text{Red} + \text{Blue} + \text{Blue} + \text{Red} = 22$$

$$\text{Blue} + \text{Blue} + \text{Blue} + \text{Red} = 17$$

$$\text{Green} + \text{Green} + \text{Red} = 22$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 115

$$\text{Blue} + \text{Green} + \text{Red} = 16$$

$$\text{Green} + \text{Blue} + \text{Blue} = 18$$

$$\text{Red} + \text{Green} = 9$$

SOLUTION



PUZZLE 116

$$\text{Green} + \text{Red} = 11$$

$$\text{Blue} + \text{Red} + \text{Red} = 15$$

$$\text{Red} + \text{Green} - \text{Blue} = 2$$

SOLUTION



PUZZLE 117

$$\text{Blue} + \text{Red} - \text{Green} = 3$$

$$\text{Red} + \text{Blue} + \text{Green} = 21$$

$$\text{Blue} + \text{Red} + \text{Red} = 17$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 118

 +  -  = 4

 +  +  = 24

 +  +  +  = 26

SOLUTION



PUZZLE 119

 +  = 14

 +  +  = 23

 +  +  +  = 18

SOLUTION



PUZZLE 120

 +  +  = 16

 +  +  +  +  = 27

 +  = 8

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 121

$$\text{Green} + \text{Blue} + \text{Blue} + \text{Red} = 19$$

$$\text{Blue} + \text{Green} + \text{Red} + \text{Green} = 14$$

$$\text{Blue} + \text{Red} + \text{Red} + \text{Blue} = 20$$

SOLUTION



PUZZLE 122

$$\text{Blue} + \text{Green} + \text{Green} + \text{Green} + \text{Blue} = 29$$

$$\text{Blue} + \text{Green} + \text{Green} = 18$$

$$\text{Red} + \text{Red} + \text{Blue} = 10$$

SOLUTION



PUZZLE 123

$$\text{Blue} + \text{Blue} + \text{Red} + \text{Green} = 17$$

$$\text{Green} + \text{Blue} + \text{Green} + \text{Blue} = 10$$

$$\text{Green} + \text{Blue} + \text{Blue} + \text{Red} + \text{Red} = 26$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 124

$$\text{Blue} + \text{Red} + \text{Red} + \text{Blue} = 20$$

$$\text{Green} + \text{Red} + \text{Blue} = 15$$

$$\text{Red} - \text{Blue} = 8$$

SOLUTION



PUZZLE 125

$$\text{Blue} + \text{Red} + \text{Green} = 14$$

$$\text{Blue} + \text{Green} + \text{Red} + \text{Red} = 23$$

$$\text{Green} + \text{Green} + \text{Blue} + \text{Green} = 9$$

SOLUTION



PUZZLE 126

$$\text{Blue} + \text{Red} + \text{Green} = 13$$

$$\text{Green} + \text{Green} + \text{Blue} = 12$$

$$\text{Green} + \text{Blue} - \text{Red} = 5$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 127

$$\text{Green} + \text{Red} + \text{Red} + \text{Blue} = 27$$

$$\text{Blue} + \text{Red} + \text{Red} = 20$$

$$\text{Red} + \text{Green} + \text{Green} + \text{Red} = 30$$

SOLUTION



PUZZLE 128

$$\text{Red} + \text{Blue} - \text{Green} = 8$$

$$\text{Blue} + \text{Green} + \text{Red} = 14$$

$$\text{Green} + \text{Blue} + \text{Green} = 13$$

SOLUTION



PUZZLE 129

$$\text{Blue} + \text{Green} = 11$$

$$\text{Red} + \text{Green} + \text{Blue} = 19$$

$$\text{Red} + \text{Red} + \text{Blue} + \text{Blue} + \text{Green} = 31$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 130

$$\text{Blue} + \text{Green} = 15$$

$$\text{Green} + \text{Red} = 12$$

$$\text{Red} + \text{Blue} = 13$$

SOLUTION



PUZZLE 131

$$\text{Red} + \text{Green} + \text{Blue} = 10$$

$$\text{Green} + \text{Green} + \text{Green} + \text{Green} = 8$$

$$\text{Red} + \text{Blue} + \text{Blue} = 9$$

SOLUTION



PUZZLE 132

$$\text{Blue} + \text{Blue} = 10$$

$$\text{Green} + \text{Red} + \text{Blue} = 10$$

$$\text{Red} + \text{Red} + \text{Green} = 9$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 133

$$\text{Blue} + \text{Blue} = 14$$

$$\text{Green} + \text{Red} + \text{Blue} = 20$$

$$\text{Red} + \text{Red} + \text{Green} = 18$$

SOLUTION



PUZZLE 134

$$\text{Blue} + \text{Green} = 12$$

$$\text{Green} + \text{Green} + \text{Blue} = 17$$

$$\text{Red} + \text{Blue} - \text{Green} = 8$$

SOLUTION



PUZZLE 135

$$\text{Blue} + \text{Green} = 17$$

$$\text{Green} + \text{Red} = 14$$

$$\text{Green} - \text{Red} = 2$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 136

$$\text{Red} + \text{Blue} + \text{Red} = 16$$
$$\text{Green} - \text{Red} = 3$$
$$\text{Blue} + \text{Green} - \text{Red} = 9$$

SOLUTION



PUZZLE 137

$$\text{Green} + \text{Green} + \text{Blue} = 21$$
$$\text{Red} + \text{Blue} + \text{Green} = 18$$
$$\text{Red} + \text{Green} + \text{Green} + \text{Blue} = 27$$

SOLUTION



PUZZLE 138

$$\text{Green} + \text{Blue} = 16$$
$$\text{Red} + \text{Green} + \text{Green} = 22$$
$$\text{Blue} + \text{Red} + \text{Blue} = 18$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 139

$$\text{Blue} + \text{Red} + \text{Green} = 22$$

$$\text{Red} + \text{Green} + \text{Green} + \text{Blue} + \text{Green} = 34$$

$$\text{Red} + \text{Blue} + \text{Red} = 25$$

SOLUTION



PUZZLE 140

$$\text{Blue} + \text{Blue} + \text{Red} = 20$$

$$\text{Green} + \text{Green} + \text{Red} + \text{Blue} = 23$$

$$\text{Red} + \text{Blue} + \text{Green} = 18$$

SOLUTION



PUZZLE 141

$$\text{Blue} + \text{Green} + \text{Blue} = 21$$

$$\text{Red} + \text{Red} + \text{Green} = 9$$

$$\text{Green} + \text{Red} + \text{Blue} + \text{Blue} = 23$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 142

$$\text{Blue} + \text{Green} + \text{Blue} + \text{Green} = 26$$
$$\text{Blue} + \text{Red} + \text{Red} = 24$$
$$\text{Green} + \text{Green} + \text{Green} + \text{Blue} = 27$$

SOLUTION



PUZZLE 143

$$\text{Blue} + \text{Red} + \text{Green} = 18$$
$$\text{Blue} + \text{Red} + \text{Red} + \text{Blue} = 20$$
$$\text{Red} + \text{Blue} + \text{Green} + \text{Blue} = 21$$

SOLUTION



PUZZLE 144

$$\text{Green} + \text{Red} + \text{Blue} = 17$$
$$\text{Green} + \text{Blue} = 12$$
$$\text{Blue} + \text{Blue} + \text{Red} + \text{Red} + \text{Green} = 26$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 145

$$\text{Green} + \text{Red} + \text{Blue} = 15$$

$$\text{Green} + \text{Red} + \text{Red} = 8$$

$$\text{Blue} + \text{Blue} + \text{Red} + \text{Red} + \text{Green} = 24$$

SOLUTION



PUZZLE 146

$$\text{Green} + \text{Blue} + \text{Red} = 15$$

$$\text{Red} + \text{Green} + \text{Red} = 11$$

$$\text{Blue} + \text{Green} + \text{Blue} + \text{Red} + \text{Red} + \text{Green} + \text{Blue} = 35$$

SOLUTION



PUZZLE 147

$$\text{Red} + \text{Green} = 13$$

$$\text{Green} + \text{Blue} = 15$$

$$\text{Blue} + \text{Red} = 14$$

SOLUTION



Solve the puzzles below by determining what number belongs in each colored circle. Each color in a puzzle represents a unique, positive number. When you have solved each equation, write the number for each color in the solutions box and check your answers at the back of the book.

PUZZLE 148

 +  +  +  = 29

 +  +  = 16

 +  +  -  = 11

SOLUTION



PUZZLE 149

 +  +  = 17

 +  -  = 5

 +  +  +  = 20

SOLUTION



PUZZLE 150

 +  +  +  = 20

 +  +  = 16

 +  +  = 10

SOLUTION



SOLUTIONS

1. (6) (5) (7)

2. (2) (9) (4)

3. (8) (7) (5)

4. (7) (5) (8)

5. (4) (7) (8)

6. (8) (7) (3)

7. (3) (1) (6)

8. (9) (4) (6)

9. (8) (7) (4)

10. (3) (7) (6)

11. (3) (8) (5)

12. (4) (9) (8)

13. (4) (7) (3)

14. (8) (5) (6)

15. (7) (5) (3)

16. (8) (7) (5)

17. (7) (5) (3)

18. (8) (4) (9)

19. (5) (7) (3)

20. (4) (5) (9)

21. (6) (4) (3)

22. (4) (8) (5)

23. (5) (4) (7)

24. (6) (4) (3)

25. (8) (1) (5)

26. (9) (7) (6)

27. (7) (2) (4)

28. (6) (5) (4)

29. (8) (7) (5)

30. (8) (6) (3)

31. (7) (8) (9)

32. (4) (1) (5)

33. (6) (5) (3)

34. (7) (4) (6)

35. (7) (3) (5)

36. (2) (6) (5)

37. (7) (1) (3)

38. (7) (6) (3)

39. (9) (2) (4)

40. (7) (2) (5)

41. (3) (4) (7)

42. (8) (5) (7)

43. (3) (5) (7)

44. (6) (5) (3)

45. (9) (4) (7)

46. (5) (2) (8)

47. (9) (7) (5)

48. (4) (2) (8)

49. (7) (1) (5)

50. (2) (7) (6)

51. (4) (6) (9)

52. (7) (9) (6)

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54. (7) (8) (4)

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56. (7) (4) (8)

57. (9) (5) (1)

58. (7) (3) (6)

59. (7) (3) (4)

60. (9) (5) (6)

61. (7) (1) (4)

62. (8) (3) (5)

63. (4) (7) (5)

64. (4) (6) (2)

65. (8) (12) (4)

66. (5) (4) (7)

67. (7) (3) (2)

68. (3) (2) (9)

69. (8) (7) (4)

70. (5) (3) (8)

71. (8) (4) (7)

72. (5) (4) (7)

73. (4) (2) (5)

74. (7) (5) (3)

75. (3) (1) (8)

76. (8) (1) (2)

77. (6) (2) (8)

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79. (7) (4) (2)

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82. (4) (2) (9)

83. (5) (8) (1)

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94. (8) (4) (6)

95. (3) (6) (4)

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97. (5) (9) (6)

98. (2) (12) (6)

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148. (6) (9) (5)
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150. (4) (6) (3)