LOGIC PUZZLES · GRADES 4–5

Shape Math Challenge

Each shape stands for a number. The same shape is always the same number. Solve each puzzle, one line at a time.

Name: _____ **Date:** _____



Puzzle 1

☆ + ☆ + ☆ = 18

☆ + ○ = 15

○ + △ + △ = 17

☆ = □ ○ = □ △ = □

Puzzle 2

♡ + ♡ = 14

♡ + ☾ + ☾ = 19

☾ + □ = 20

♡ = □ ☾ = □ □ = □

Puzzle 3

□ + □ + □ + □ = 16

□ + △ = 13

△ + △ + ☆ = 25

□ = □ △ = □ ☆ = □

Puzzle 4

○ + ☆ = 11

○ + ○ = 8

☆ + ☆ + ♡ = 20

○ = □ ☆ = □ ♡ = □

Art © Kevin Coulston

ANSWER KEY · LOGIC PUZZLES · FOR GROWN-UPS

Answer Key: Shape Math Challenge

Each shape stands for a number. The same shape is always the same number. Solve each puzzle, one line at a time.



Puzzle 1

☆ + ☆ + ☆ = 18

☆ + ○ = 15

○ + △ + △ = 17

☆ = 6 ○ = 9 △ = 4

Puzzle 2

♡ + ♡ = 14

♡ + ☾ + ☾ = 19

☾ + □ = 20

♡ = 7 ☾ = 6 □ = 14

Puzzle 3

□ + □ + □ + □ = 16

□ + △ = 13

△ + △ + ☆ = 25

□ = 4 △ = 9 ☆ = 7

Puzzle 4

○ + ☆ = 11

○ + ○ = 8

☆ + ☆ + ♡ = 20

○ = 4 ☆ = 7 ♡ = 6

Art © Kevin Coulston