

# SPRING

MULTIPLICATION &  
DIVISION

# LOGIC PROBLEMS

Find the value for each symbol.

$$\begin{array}{l} \text{shovel} \times \text{watering can} = 30 \\ \text{watering can} \times \text{watering can} = \\ \text{boot} \times \text{shovel} = \end{array}$$

5

SHELLEY GRAY

Find the value for each symbol.

$$\begin{array}{l} \text{tomato seed packet} \times \text{tomato seed packet} = \\ \text{beans} \times \text{tomato seed packet} = \\ \text{seedling} \div \text{beans} = \end{array}$$

19

4

Find the value for each symbol.

$$\begin{array}{l} \text{red flowers} \div \text{white flower} = 7 \\ 81 \div \text{white flower} = \\ \text{white flower} \times \text{butterfly} = 9 \end{array}$$

GRADES  
4-6

Ready to

*challenge*

your students in a new way?

These Logic Puzzles will require your students to use algebraic thinking, providing a whole new element of challenge!



Find the value for each symbol.

$$\text{shovel} \times \text{watering can} = 30$$

$$\text{watering can} \times \text{watering can} = 20$$

$$\text{boot} \times \text{shovel} = 15$$

5

Find the value for each symbol.

$$\text{red flowers} \div \text{white flower} = 9$$

$$81 \div \text{white flower} = \text{white flower}$$

$$\text{white flower} \times \text{butterfly} = 99$$

Requires critical thinking!

Find the value for each symbol.

$$\text{tomato seed packet} \times \text{tomato seed packet} = 81$$

$$\text{beans} \times \text{tomato seed packet} = 54$$

$$\text{seedling} \div \text{beans} = 4$$

This set includes

# 20 logic puzzles

that focus on multiplication and division.

But don't be fooled! These puzzles are trickier than they look!

A recording sheet is included to make student organization simple.

Find the value for each symbol.

$$\begin{matrix} \text{shovel} & \times & \text{watering can} & = & 30 \\ \text{watering can} & \times & \text{watering can} & = & 25 \\ \text{shovel} & = & 18 \end{matrix}$$

Find the value for each symbol.

$$\begin{matrix} \text{bunch of flowers} & \div & \text{single flower} & = & 7 \\ 81 & \div & \text{single flower} & = & \text{single flower} \\ \text{single flower} & \times & \text{butterfly} & = & 99 \end{matrix}$$

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3	=	4	=
	=		=
	=		=
7	=	8	=
	=		=
	=		=
9	=		=
	=		=
	=		=
11	=	12	=
	=		=
	=		=
13	=	14	=
	=		=
	=		=
15	=	16	=
	=		=
	=		=
17	=	18	=
	=		=
19	=	20	=
	=		=

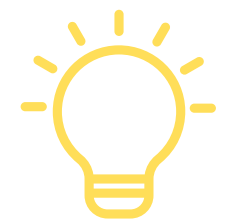
# Ideas for Use



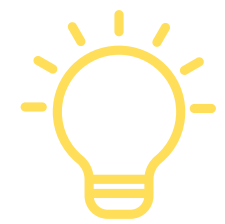
**Morning Tubs**



**Math Centers**



**Early Finisher Activity**



**Around the Room Gallery Walk**



**Small Group Intervention**

**Tip:**

Let your students work in partners and listen to the amazing math conversation that occurs!

Looking for a bigger bundle of puzzles?

Try using differentiated puzzles to provide a "just right" challenge for all your students.

**This bundle includes 160 logic puzzles at 8 different levels!**

Try letting students choose the set that challenges them perfectly to increase their metacognition and encourage them to take responsibility for their own learning!

The graphic features the title "SPRING LOGIC PROBLEMS" in a blue and red banner. Below it, "Bundle 160 PUZZLES" is written in a mix of cursive and bold fonts. Two sample puzzle cards are shown. The first card, labeled "2" in the bottom left, has the instruction "Find the value for each symbol." and three equations: a yellow flower plus a purple flower equals 720, a purple flower plus a purple flower plus a purple flower equals an unknown, and a yellow flower plus 140 equals an unknown. The second card, labeled "1" in the bottom left, has the instruction "Find the value" and three equations: 3.8 minus a green leaf equals a green leaf, a ladybug plus a green leaf equals 4.4, and a green grass tuft minus a ladybug equals 6.6. The author's name "SHELLEY GRAY" is at the bottom of each card, and a small copyright notice "© Shelley Gray" is in the bottom right corner of the second card.

**Differentiate to all your students with the Spring Logic Puzzle Bundle [HERE](#).**