

SPRING

ADDITION &
SUBTRACTION
WITHIN 20

LOGIC PROBLEMS

Find the value for each symbol.

$$\text{Yellow flower} + \text{Yellow flower} = 18$$

$$\text{Green glove} - \text{Yellow flower} =$$

$$\text{Purple flower} + 2 =$$

5

Find the value for each symbol.

$$2 - \text{Raindrops} =$$

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



$$= 12$$

Find the value for each symbol.

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

$$\text{Grass} - 2 =$$

$$\text{Sign} + \text{Brush} =$$

9

GRADES
3-4

SHELLEY GRAY

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!



Requires
critical
thinking!

Find the value for each symbol.

$$\text{Yellow flower} + \text{Yellow flower} = 10$$

$$\text{Green glove} - \text{Yellow flower} = 6$$

$$\text{Purple flower} + \text{Yellow flower} = 5$$

Find the value for each symbol.

$$\text{Patch of grass} + \text{Patch of grass} = 14$$

$$\text{Patch of grass} - 2 = \text{Broom}$$



$$\text{Laptop} = 8$$

Find the value for each symbol.

$$2 - \text{Water drops} = \text{Water drops}$$

$$6 + \text{Water drops} = \text{Seeds box}$$





This set includes
20 logic puzzles



that focus on addition and subtraction within 20.

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.



 +  = 14

 - 2 = 







































Find the value for each symbol.

2 -  = 

6 +  = 

 +  = 12

SHEET (Add and Subtract Within 20)

3  =	4  =
 =	 =
 =	 =
7  =	8  =
 =	 =
 =	 =
9  =	10  =
 =	 =
 =	 =
13  =	14  =
 =	 =
 =	 =
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!

Find the value for each symbol.

$$11 + \text{[sledder]} = \text{[elf]}$$
$$\text{[sledder]} + \text{[sledder]} = 12$$
$$\text{[hot chocolate]} + \text{[elf]} = 20$$

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Along with the printable version, this resource also includes a Google Slides version – perfect for projecting in your classroom.

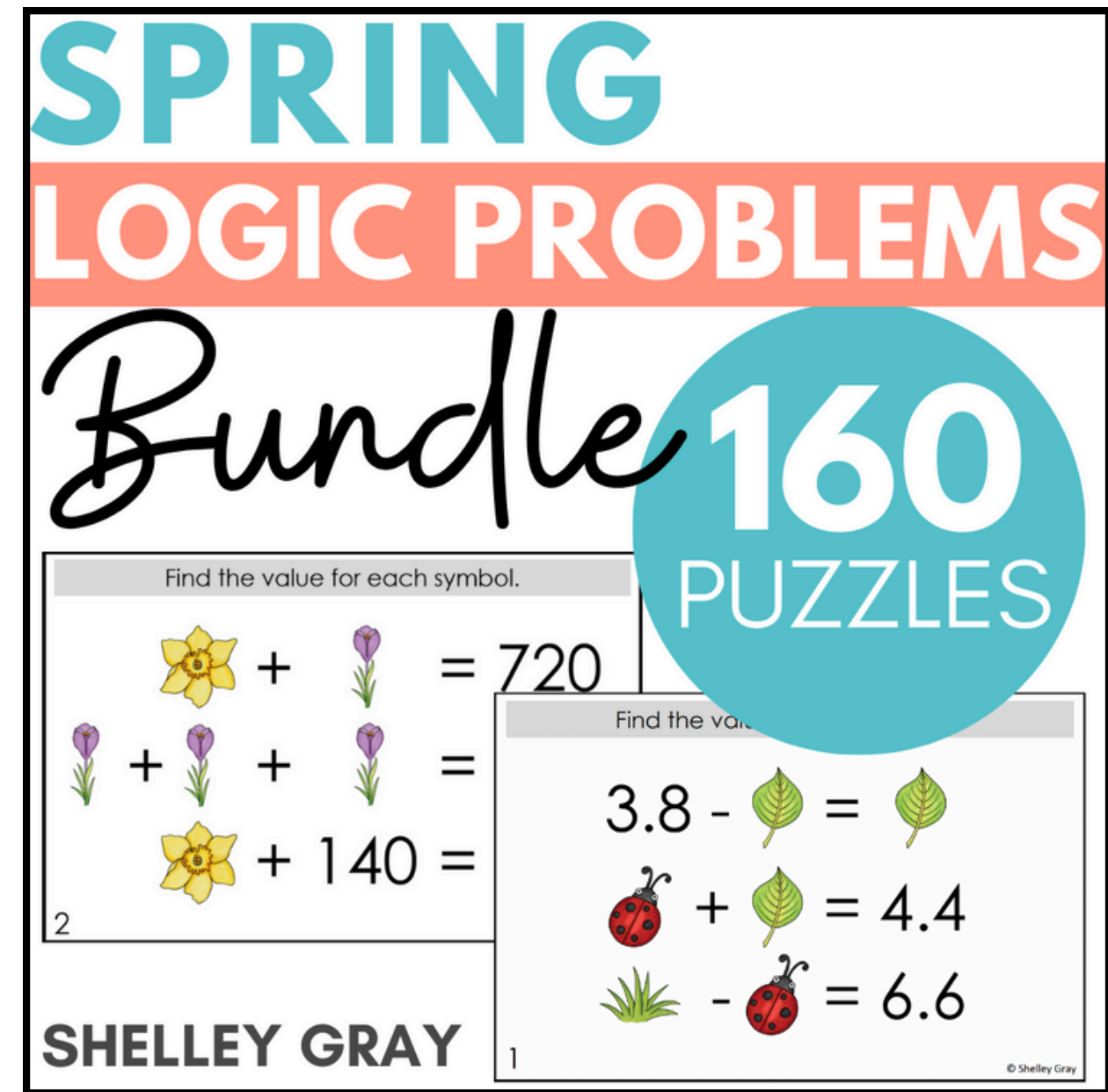
Use it as a math warm-up, daily challenge, or thinking task to promote deep and critical thinking.

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!



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