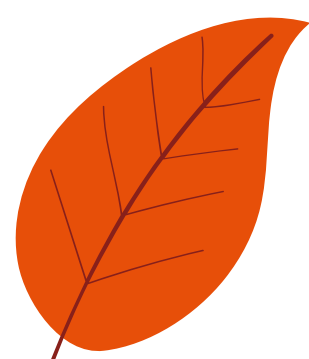


# FALL



ADDITION & SUBTRACTION  
WITHIN 1,000

# LOGIC PROBLEMS

Find the value for each symbol.

$$\text{leaf} + \text{leaf} = 340$$

$$\text{blanket} + \text{leaf} = 900$$

$$\text{leaf} + 800 = \text{cucumber}$$

2

SHELLEY GRAY

Find the value for each symbol.

$$\text{mushroom} + \text{mushroom} = 550$$

$$\text{mug} + \text{glove} - \text{mushroom} = \text{mushroom}$$

$$\text{glove} + \text{mushroom} = 375$$

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.

$$\begin{array}{l} \text{leaf} + \text{leaf} = 340 \\ \text{scarf} + \text{leaf} = 900 \\ \text{leaf} + 800 = 2 \end{array}$$

Find the value for each symbol.

$$\begin{array}{l} \text{mushroom} + \text{mushroom} = 550 \\ \text{mug} + \text{mitten} - \text{mushroom} = \text{mushroom} \\ \text{mitten} + \text{mushroom} = 375 \end{array}$$

Find the value for each symbol.

$$\begin{array}{l} \text{pie} - \text{acorn} = \\ \text{pumpkin} + \text{acorn} + 400 = \\ \text{acorn} + \text{acorn} = 5 \end{array}$$

Requires  
critical  
thinking!

This set includes  
**20 logic puzzles**

that focus on addition and  
subtraction within 1,000.

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

A recording sheet is included to  
make student organization simple.

**RECORDING SHEET** (Add and Subtract Within 1,000)

|                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1<br> =<br> =<br> =        | 2<br> =<br> =<br> =        | 3<br> =<br> =<br> =        | 4<br> =<br> =<br> =        |
| 5<br> =<br> =<br> =        | 6<br> =<br> =<br> =        | 7<br> =<br> =<br> =        | 8<br> =<br> =<br> =        |
| 9<br> =<br> =<br> =      | 10<br> =<br> =<br> =     | 11<br> =<br> =<br> =     | 12<br> =<br> =<br> =     |
| 13<br> =<br> =<br> = | 14<br> =<br> =<br> = | 15<br> =<br> =<br> = | 16<br> =<br> =<br> = |
| 17<br> =<br> =<br> = | 18<br> =<br> =<br> = | 19<br> =<br> =<br> = | 20<br> =<br> =<br> = |

Find the value for each symbol.

 +  +  = 400

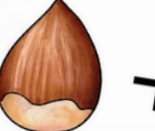
 -  = 300

 +  = 40

Find the value for each symbol.

 -  = 525

 +  + 400 = 

 +  = 150

© Shelley Gray



# Ideas for Use



**Morning Tubs**



**Math Centers**



**Early Finisher Activity**



**Around the Room Gallery Walk**

**Tip:**

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

Find the value for each symbol.

|                                                                                   |   |                                                                                    |   |                                                                                    |   |                                                                                     |
|-----------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------|
|  | + |  | = | 550                                                                                |   |                                                                                     |
|  | + |   | - |  | = |  |
|  | + |  | = | 375                                                                                |   |                                                                                     |

3

© Shelley Gray

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

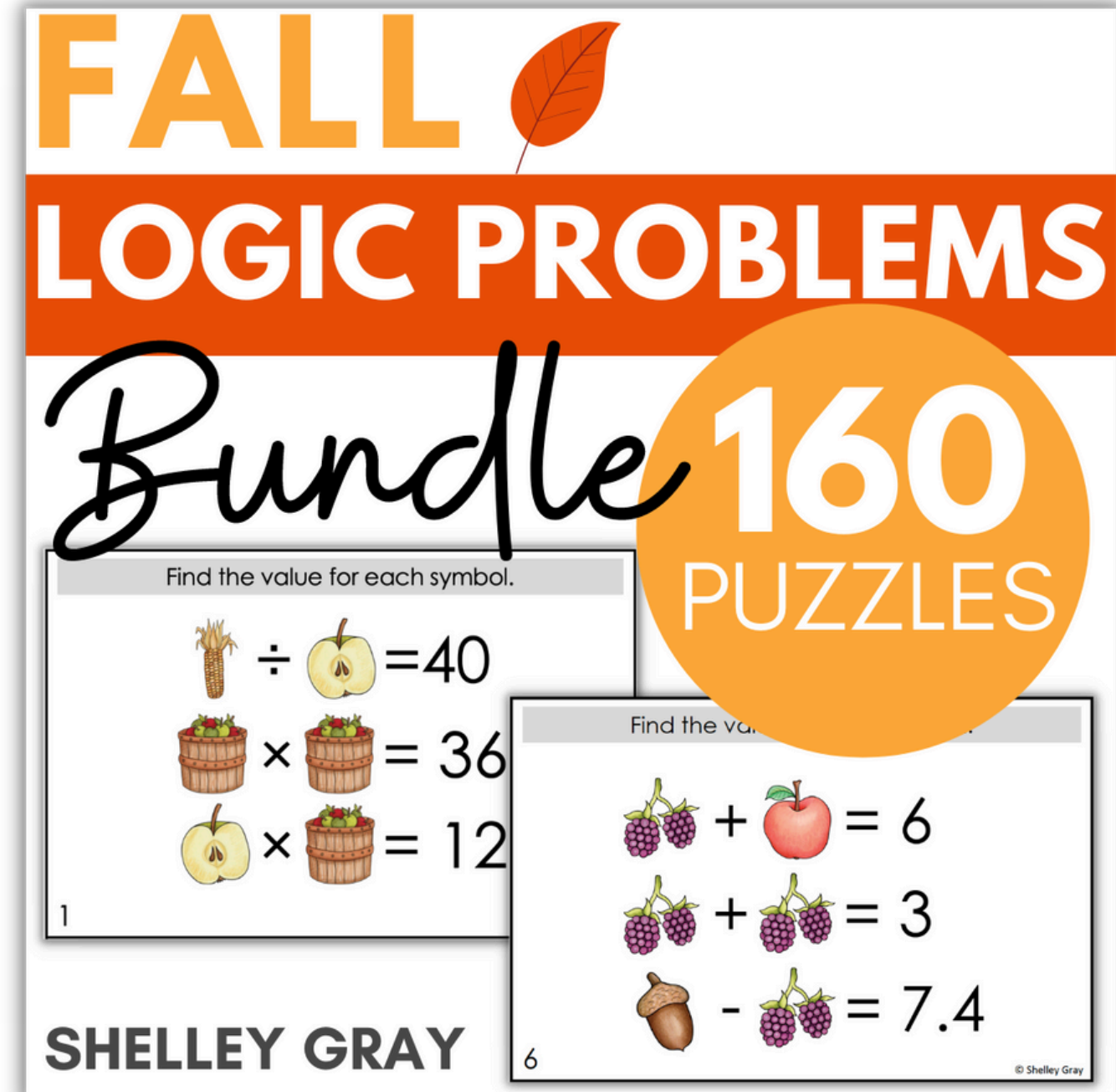
Use it as a math warm-up, daily challenge, or thinking task to promote deep and critical thinking.

**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 Fall Logic Puzzle Bundle [HERE](#).**