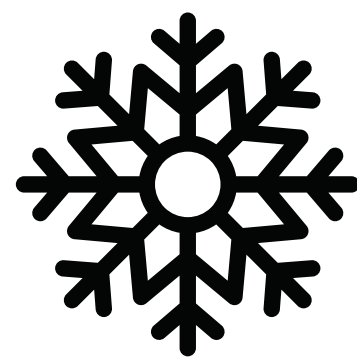


# WINTER



DECIMAL NUMBERS  
WITHIN 10

# LOGIC PROBLEMS

Find the value for each symbol.

$$0.9 - \text{hat} = \text{cup}$$

$$\text{girl} - \text{hat} = 5$$

$$\text{cup} + \text{cup} = 1.4$$

8

Find the value for each symbol.

$$\text{pile of snowballs} + \text{snowflake} = 9.8$$

$$2.5 + \text{pile of snowballs} = \text{snowman}$$

$$6.4 - \text{snowflake} = \text{snowflake}$$

GRADES  
**4-6**

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!



Find the value for each symbol.

$$0.9 - \text{hat} = \text{cup}$$
$$\text{person} - \text{hat} = 5$$

8

Find the value for each symbol.

$$\text{pile of snow} + \text{snowflake} = 9.8$$

16

Find the value for each symbol.

$$2.8 - \text{tree} = \text{tree}$$
$$\text{snowboard} + \text{tree} = \text{tree}$$
$$1.8 + \text{tree} = \text{flur}$$

Requires  
critical  
thinking!

This set includes












































# 20 logic puzzles

that focus on addition and subtraction of decimal numbers within 10.



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



A recording sheet is included to make student organization simple.



### RECORDING SHEET (Decimals)

1  =  =  =	2  =  =  =	3  =	4  =
5  =  =  =	6  =  =  =	7  =	
9  =  =  =	10  =  =  =	11  = 12  =  =	
13  =  =  =	14  =  =  =	15  =  =  =	
17  =  =  =	18  =  =  =	19  =  =  =	16  =



Find the value for each symbol.



 +  = 9.8



2.5 +  = 

6.4 -  = 

Find the value for each symbol.

2.8 -  = 

 +  = 2.

1.8 +  = 

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# 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.

$$\text{pile of snowballs} + \text{snowflake} = 9.8$$

$$2.5 + \text{pile of snowballs} = \text{snowman}$$

$$6.4 - \text{snowflake} = \text{snowflake}$$

12

© Shelley Gray

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

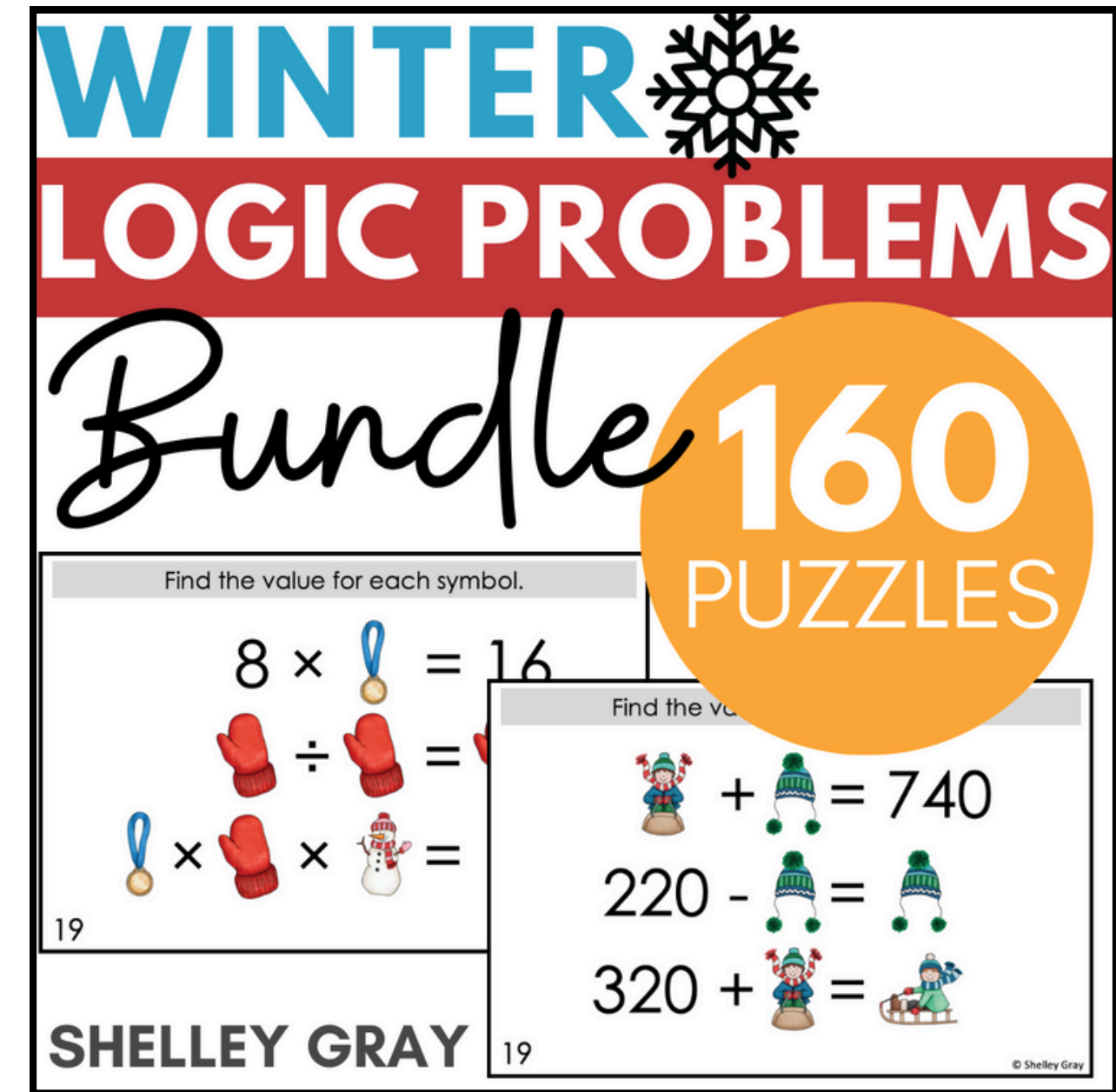
Use it as a math warm-up, daily challenge, or thinking task to promote deep and critical thinking.

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