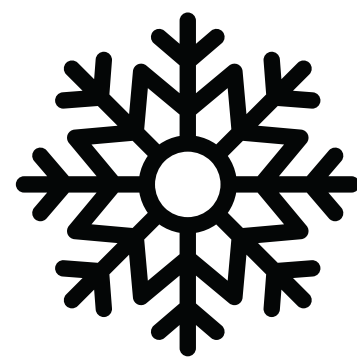




LOGIC PROBLEMS

Find the value for each symbol.

$$11 + \text{child on sled} = \text{child with basket}$$

$$\text{child on sled} + \text{child on sled} = 12$$

$$\text{cup of hot chocolate} + \text{child with basket} = 20$$

17

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Find the value for each symbol.

$$\text{pile of snowballs} + \text{pair of mittens} = 11$$

$$\text{pair of mittens} + \text{pair of mittens} = 14$$

$$\text{pair of mittens} + \text{pair of socks} = 10$$

GRADE
2

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.

$$11 + \text{child on sled} = \text{child with basket}$$
$$\text{child on sled} + \text{child on sled} = 12$$

17 

Find the value for each symbol.

$$\text{pile of snow} + \text{pair of mittens} = 11$$
$$\text{pair of mittens} + \text{pair of mittens} = 14$$

Find the value for each symbol.

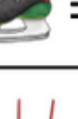
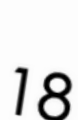
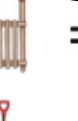
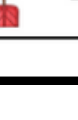
$$\text{child with basket} + \text{mittens} = 19$$
$$\text{mittens} + \text{cup of hot chocolate} = 2$$
$$\text{mittens} + \text{mittens} = 8$$

18

Requires
critical
thinking!

This set includes
20 logic puzzles
that focus on addition within 20.
But don't be fooled! These puzzles
are trickier than they look!
A recording sheet is included to
make student organization simple.

RECORDING SHEET (Addition Within 20)

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

Find the value for each symbol.

$11 + \text{ice skates} = \text{ice skates}$

$\text{ice skates} + \text{ice skates} = 1$

$\text{ice skates} + \text{ice skates} = 2$

Find the value for each symbol.

$\text{ice skates} + \text{ice skates} = 19$

$\text{ice skates} + \text{ice skates} = 20$

$\text{ice skates} + \text{ice skates} = 8$

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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.

11	+		=	
	+		=	12
	+		=	20

17

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

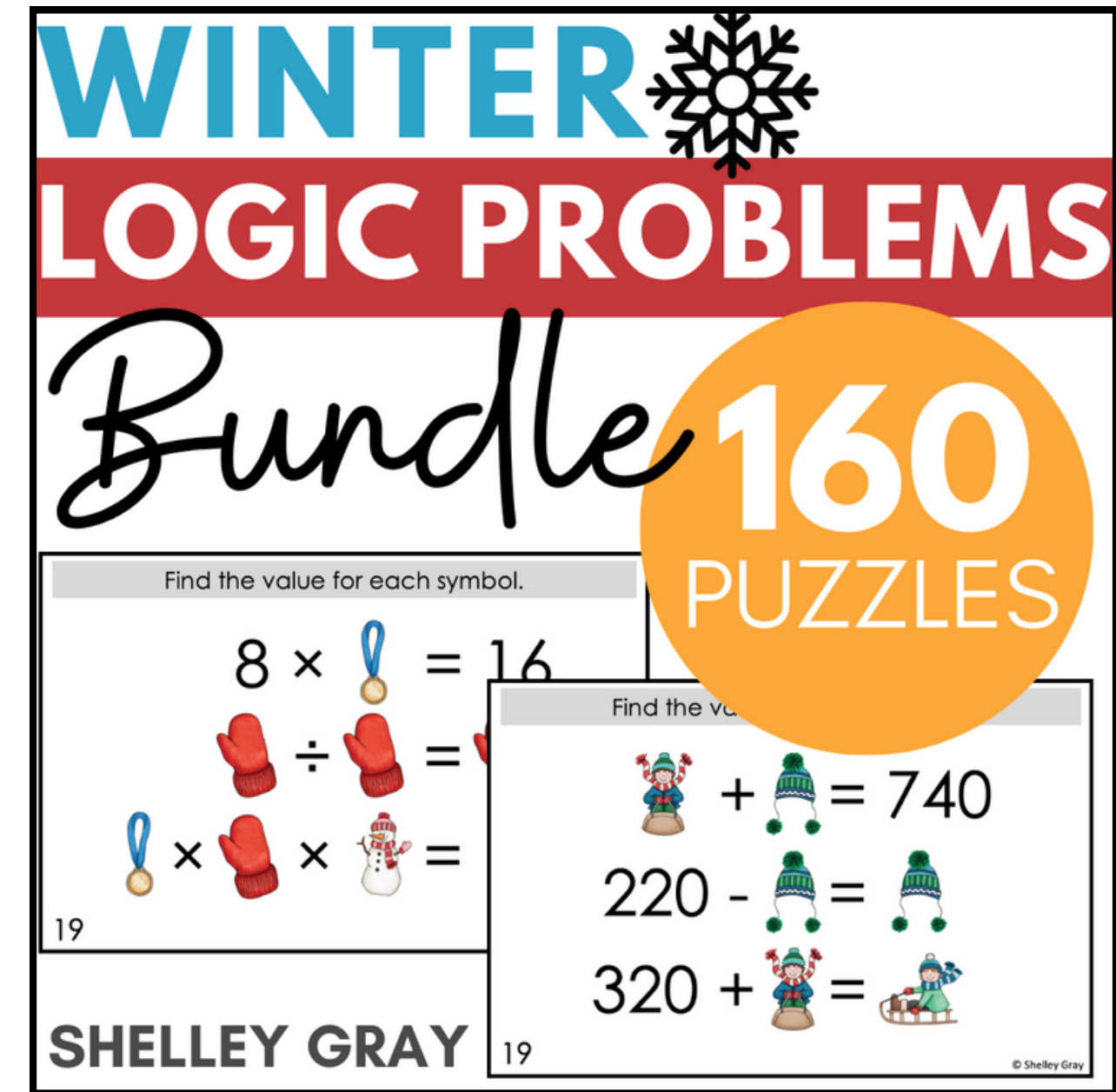
Use it as a math warm-up, daily challenge, or thinking task to promote deep and critical thinking.

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 Winter Logic Puzzle Bundle [HERE](#).