

LOGIC PROBLEMS

Find the value for each symbol.

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

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

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

Find the value for each symbol.

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

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

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

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.

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

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Find the value for each symbol.

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

Find the value for each symbol.

$$\text{child with bag} + \text{red mitten} = 19$$
$$\text{red mitten} + \text{blue mug} = 2$$
$$\text{red mitten} + \text{red mitten} = 8$$

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Requires
critical
thinking!












































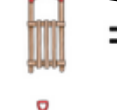
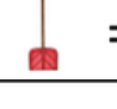

This set includes
20 logic puzzles

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.

$11 + \text{girl on sled} = \text{girl with bag}$

$\text{girl on sled} + \text{girl on sled} = 1$

$\text{mug} + \text{girl with bag} = 2$

Find the value for each symbol.

$\text{girl with bag} + \text{mittens} = 19$

$\text{mittens} + \text{mug} = 20$

$\text{mittens} + \text{mittens} = 8$

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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!

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!

WINTER ❄️
LOGIC PROBLEMS

Bundle **160**
PUZZLES

Find the value for each symbol.

$$8 \times \text{medal} = 16$$
$$\text{gloves} \div \text{gloves} = 19$$
$$\text{medal} \times \text{gloves} \times \text{snowman} = 19$$

Find the value for each symbol.

$$\text{elf} + \text{hat} = 740$$
$$220 - \text{hat} = \text{hat}$$
$$320 + \text{elf} = \text{sledder}$$

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