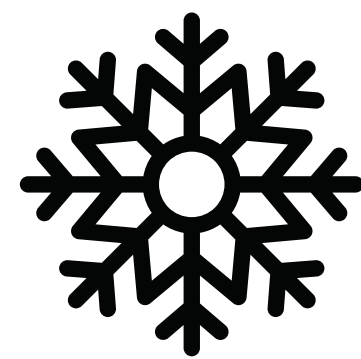


# WINTER



ADDITION, SUBTRACTION  
& MULTIPLICATION

# LOGIC PROBLEMS

Find the value for each symbol.

$$\text{Medal} \times \text{Medal} = 10$$

$$\text{Medal} \times 9 = \text{Snowflake}$$

$$6 + \text{Snowflake} - \text{Hockey Stick} = 30$$

4

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Find the value for each symbol.

$$\text{Goggles} + \text{Snowflake} = 30$$

$$\text{Snowflake} \times \text{Snowflake} = 49$$

$$\text{Sled} - \text{Goggles} = 48$$

8

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.

$$\text{Medal} \times \text{Medal} = 100$$
$$\text{Medal} \times 9 = \text{Snowflake}$$

4

$$6 + \text{Snowflake}$$

Find the value for each symbol.

$$\text{Goggles} + \text{Snowflake} = 30$$
$$\text{Snowflake} \times \text{Snowflake} = 49$$

Find the value for each symbol.

$$22 + \text{Sled} - \text{Girl} = \text{?}$$
$$\text{Sled} \times \text{Sled} = \text{?}$$

11

Requires  
critical  
thinking!






































This set includes  
**20 logic puzzles**

that focus on addition,  
 subtraction, and multiplication.

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, Subtract, Multiply Within 100)

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

© Shelley Gray

Find the value for each symbol.

$$\begin{aligned}
 & \text{Gold Medal} \times \text{Blue Medal} = 100 \\
 & \text{Blue Medal} \times 9 = \text{Snowflake} \\
 & \text{Snowflake} - \text{Hockey Stick} = 30
 \end{aligned}$$

Find the value for each symbol.

$$\begin{aligned}
 & \text{Elf} + \text{Sledder} = 14 \\
 & 22 + \text{Sledder} - \text{Elf} = \text{Hat} \\
 & \text{Sledder} \times \text{Sledder} = 25
 \end{aligned}$$

# 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.

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

**SHELLEY GRAY** 19 © Shelley Gray

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