

# CHRISTMAS

## LOGIC PROBLEMS

Find the value for each symbol.

$$\text{Bow} + \text{Bow} = 74$$

$$\text{Bow} - \text{Reindeer} = 2$$

$$\text{Reindeer} + \text{Tree} = 3$$

18

Find the value for each symbol.

$$\text{Tree} - \text{Gift} = 1$$

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

$$\text{Reindeer} - \text{Tree} = 50$$

15

Find the value for each symbol.

$$\text{Tree} + \text{Tree} = 60$$

$$\text{Tree} - \text{Santa} + \text{Ornament} = 20$$

$$\text{Ornament} + \text{Ornament} = 7$$

8

GRADES  
3-5

Ready to  
*challenge*  
your students' brains this  
December?

These Logic Puzzles will require  
your students to think differently  
than they are used to, providing a  
whole new element of challenge!



Find the value for each symbol.

$$\begin{array}{rclcl} \text{Tree} & + & \text{Candy Cane} & - & \text{Ornament} & = & 10 \\ \text{Candy Cane} & + & \text{Candy Cane} & = & 40 \\ \text{Ornament} & + & 6 & = & \text{Candy Cane} \end{array}$$

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Find the value for each symbol.

$$\begin{array}{rclcl} \text{Tree} & + & \text{Tree} & = & 60 \\ \text{Tree} & - & \text{Santa} & + & \text{Ornament} & = & 20 \\ \text{Ornament} & + & \text{Ornament} & = & 10 \end{array}$$

8

Requires  
critical  
thinking!

This set includes






























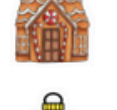
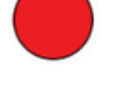









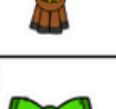














# 20 logic puzzles

that focus on addition and subtraction within 100.

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 AND SUBTRACTION WITHIN 100)

1  =  =  =	2  =  =  =	3  =  =  =	4  =  =  =
5  =  =  =	6  =  =  =	7  =  =  =	8  =  =
9  =  =  =	10  =  =  =	11  =  =  =	12  =  =  =
13  =  =  =	14  =  =  =	15  =  =  =	16  =  =
17  =  =  =	18  =  =  =	19  =  =  =	

Find the value for each symbol.

$$\begin{aligned} \text{green tree} + \text{candy cane} - \text{green ornament} &= 10 \\ \text{candy cane} + \text{candy cane} &= 40 \\ \text{green ornament} + 6 &= \text{candy cane} \end{aligned}$$

Find the value for each symbol.

$$\begin{aligned} \text{green tree} + \text{green tree} &= 60 \\ \text{green tree} + \text{green ornament} &= 20 \\ \text{green tree} - \text{sleigh} + \text{green ornament} &= 18 \end{aligned}$$

# 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.

	+		=	60		
	-		+		=	20
			+		=	18

8

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

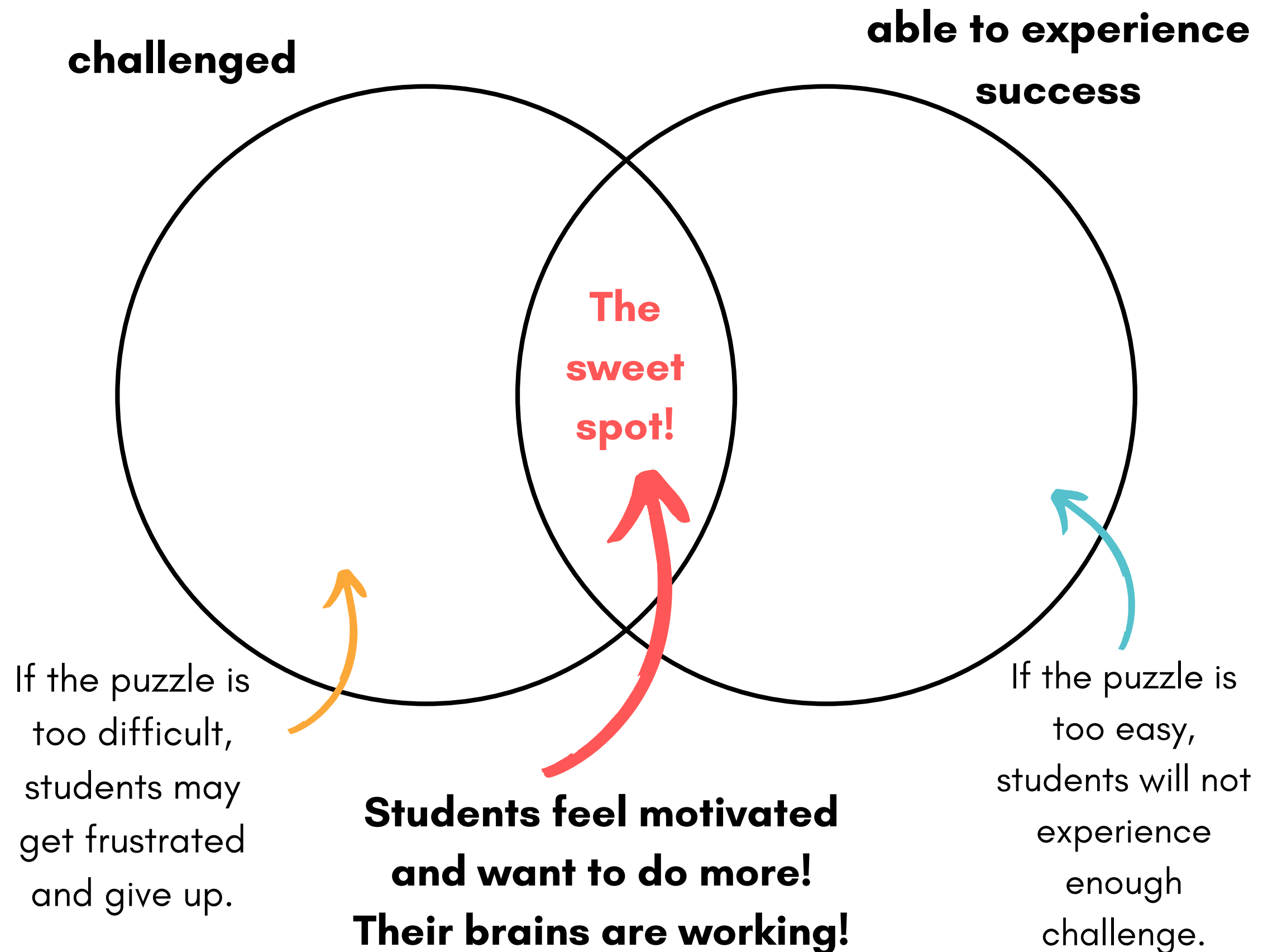
Use it as a math warm-up, daily challenge, or thinking task to promote deep and critical thinking.

# "Just enough" struggle...

There is a **sweet spot** when it comes to student engagement.

You want your students challenged "just enough" so their brains experience a bit of struggle. But if the challenge is too much, you'll have students experiencing frustration instead (not the goal!)

In the sweet spot, students are **motivated and having fun!**



In order to have all your students working in their very own sweet spot, it may be necessary to provide **differentiated puzzles.**

**This bundle includes ALL my Christmas Logic Problems - 160 in all, at 8 different levels!**

Let students choose the set they work on, telling them, "*Choose the set that gives your brain the perfect amount of struggle!*"



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