

# CHRISTMAS

## LOGIC PROBLEMS

Find the value for each symbol.

$$\text{Red Bow} - 14 =$$

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

$$\text{Red and Green Light} - \text{Brown Tree} =$$

18

Find the value for each symbol.

$$\text{Green and White Cane} + \text{Green and White Cane} =$$

$$\text{Brown Tree with Snow} + \text{Green and White Cane} =$$

$$\text{Green and White Cane} + \text{Green Light} =$$

15

Find the value for each symbol.

$$15 - \text{Red Light} = 10$$

$$\text{Red and White Cane} + \text{Green Tree} = 15$$

$$\text{Green Tree with Snow} + \text{Green Tree} =$$

16







GRADES  
3-4

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.

	-		=	11
	-		=	9
	+		=	10

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Find the value for each symbol.

	+		=	20
	-		=	15
	+		=	

3



































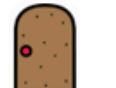
















Requires  
critical  
thinking!

This set includes  
**20 logic puzzles**

that focus on addition and  
subtraction 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 and Subtraction Within 20)			
1  =  =  =	2  =  =  =	3  =  =  =	4  =  =  =
5  =  =  =	6  =  =  =	7  =  =  =	8  =  =  =
9  =  =  =	10  =  =  =	11  =  =  =	
13  =  =  =	14  =  =  =	15  =  =  =	
17  =  =  =	18  =  =  =	19  =  =  =	

Find the value for each symbol.

$$\text{Red drum} + \text{Yellow bell} = 20$$

$$\text{Red drum} - \text{Gingerbread man} = 15$$

$$\text{Gingerbread man} + \text{Gingerbread man} = 20$$

Find the value for each symbol.

$$\text{Red bow} - 14 = \text{Brown tree}$$

$$\text{Brown tree} + \text{Brown tree} = 12$$

$$\text{Red and white ornament} - \text{Brown tree} = 10$$

# Ideas for Use



**Morning Tubs**



**Math Centers**



**Early Finisher Activity**



**Around the Room Gallery Walk**

**Tip:**

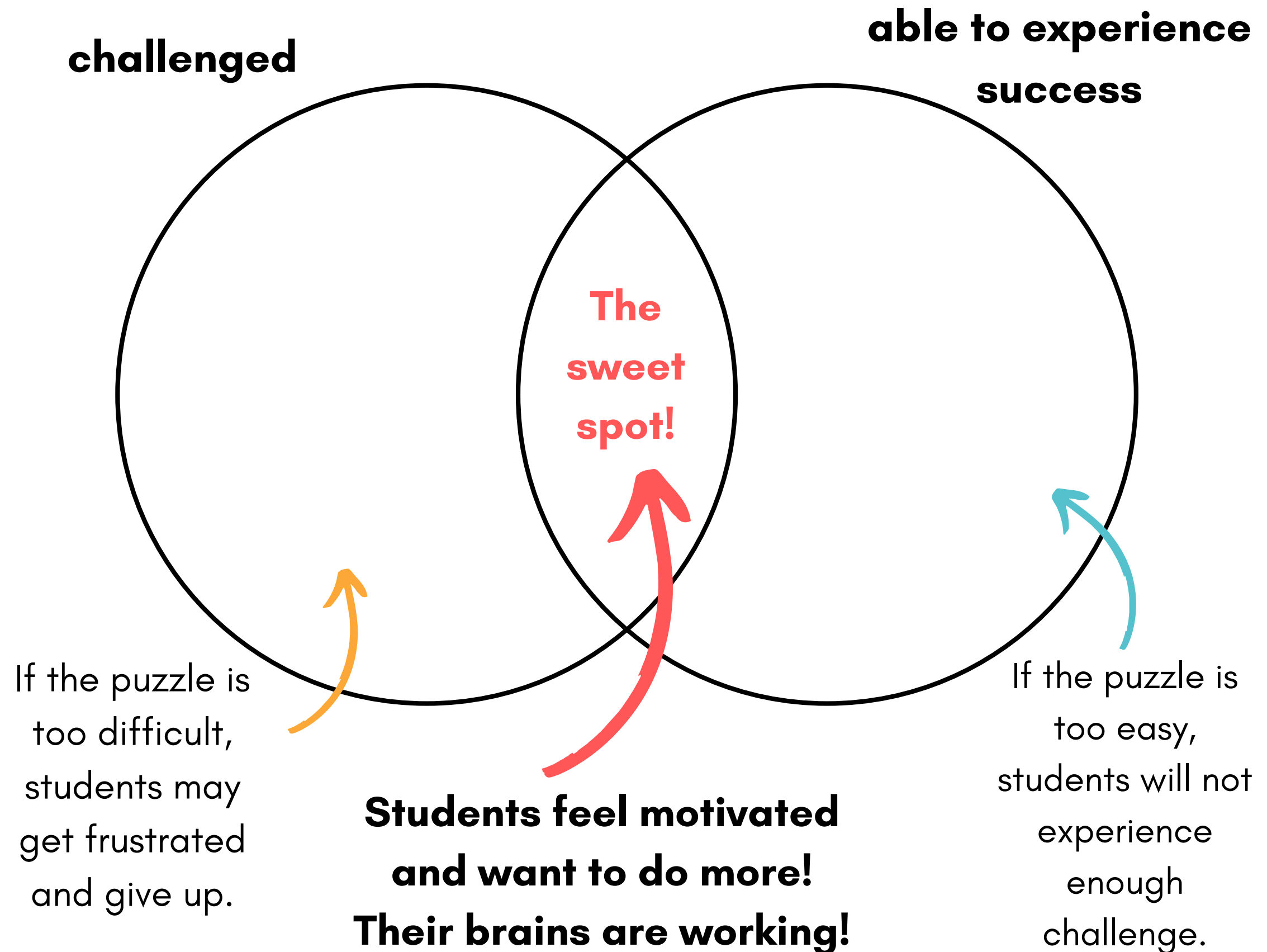
Let your students  
work in partners and  
listen to the amazing  
math conversation  
that occurs!

# "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!**





Find the value for each symbol.

$$\text{bow} - 14 = \text{tree}$$

$$\text{tree} + \text{tree} = 12$$

$$\text{ornament} - \text{tree} = 10$$

18

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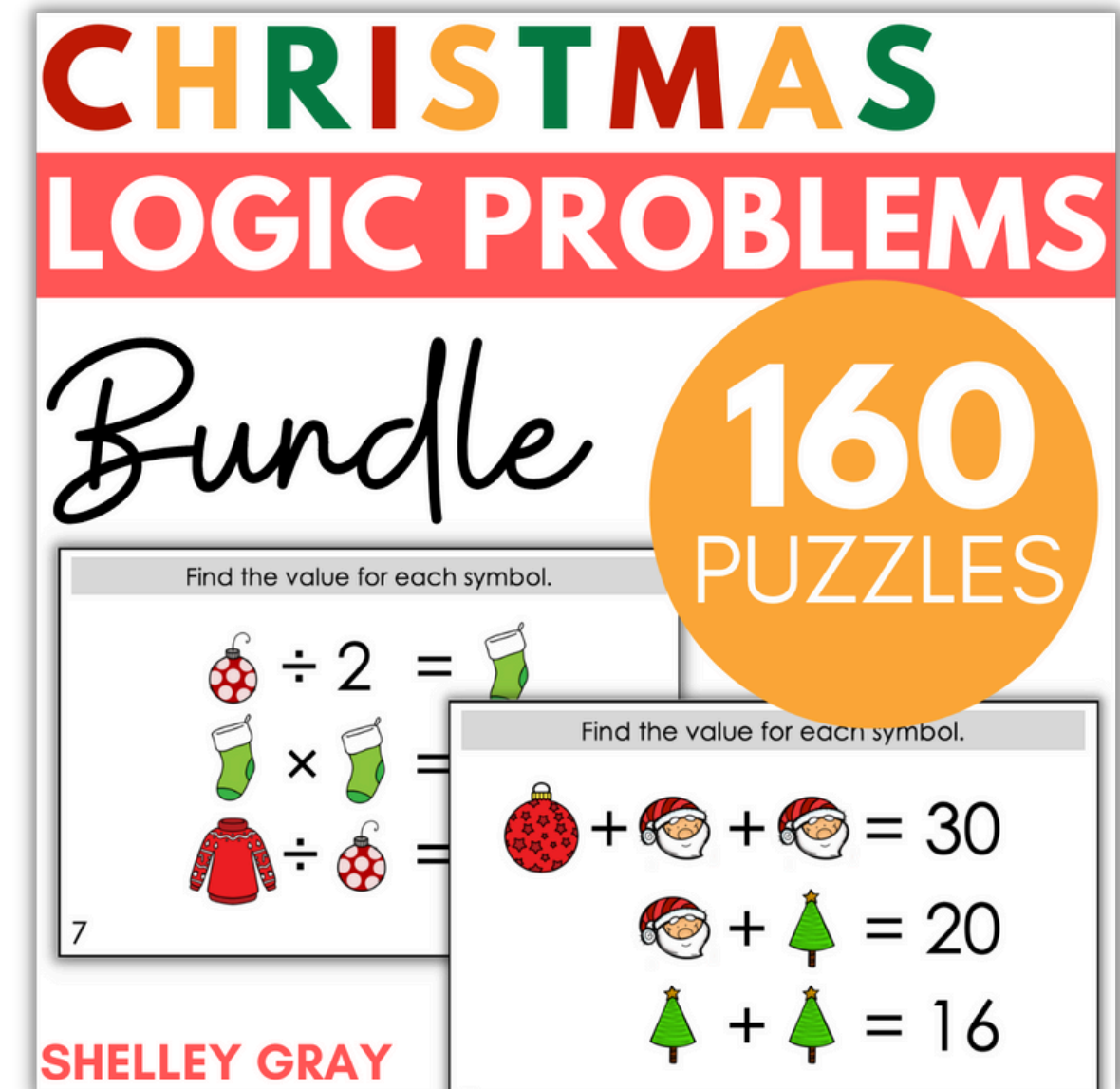
Along with the printable version, this resource also includes a Google Slides version – perfect for projecting in your classroom.

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

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](#).**