

# CHRISTMAS

## LOGIC PROBLEMS

Find the value for each symbol.

$$\text{Santa} + \text{Piano} = 18$$

$$\text{Piano} + \text{Piano} = 2$$

$$\text{Bag} + \text{Santa} = 1$$

2

Find the value for each symbol.

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

$$\text{Gingerbread} + \text{Candy Cane} = 20$$

$$\text{Candy Cane} + \text{Reindeer} =$$

17

Find the value for each

$$\text{Candy Cane} + \text{Stocking} =$$

$$\text{Bird} + \text{Candy Cane} =$$

$$\text{Candy Cane} + \text{Candy Cane} = 10$$

3

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GRADE  
2

SHELLEY GRAY

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.

$$\begin{array}{ccc} \text{Gingerbread Man} & + & \text{Gingerbread Man} = 8 \\ \text{Gingerbread Man} & + & \text{Candy Cane} = 20 \\ \text{Candy Cane} & & \end{array}$$

17

Find the value for each symbol.

$$\begin{array}{ccc} \text{Reindeer} & + & \text{Sweater} = 17 \\ \text{Reindeer} & + & \text{Gift Box} = 18 \\ \text{Sweater} & + & \end{array}$$






































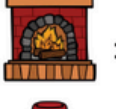










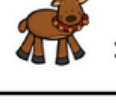



15

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  =  =  =	8  =  =  =
9  =  =  =	10  =  =  =	11  =  =  =	12  =
13  =  =  =	14  =  =  =	15  =  =  =	
17  =  =  =	18  =  =  =	19  =  =  =	



Find the value for each symbol.



 +  = 18



 +  = 20

 +  = 2

Find the value for each symbol.

 +  = 15

 +  = 20

 +  = 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!



Find the value for each symbol.

$$\text{candy cane} + \text{sock} = 15$$

$$\text{duck} + \text{candy cane} = 20$$

$$\text{candy cane} + \text{candy cane} = 10$$

3

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

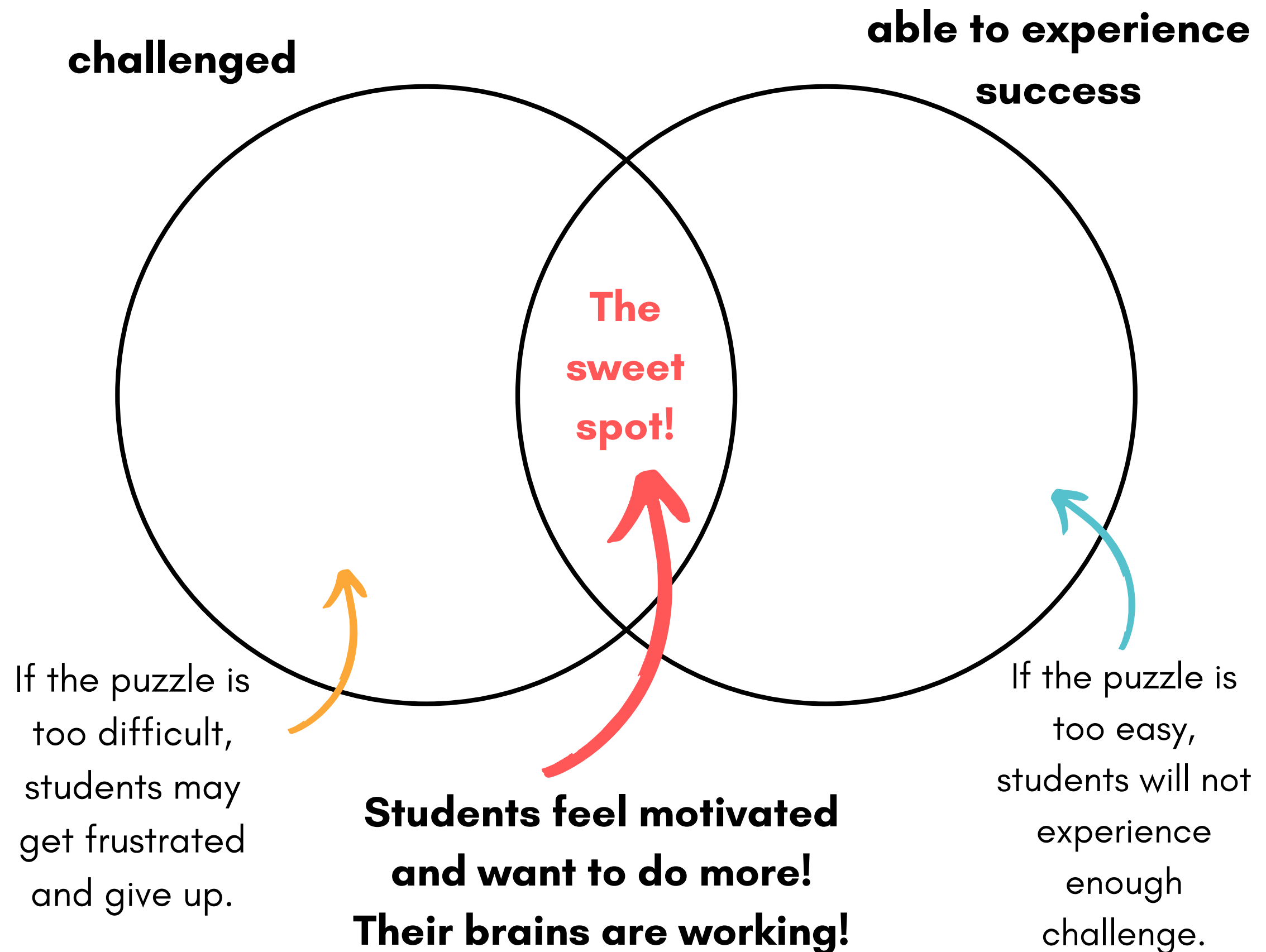
Use it as a math warm-up, daily challenge, or thinking task to promote deep and critical thinking.

# "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](#).**