

CHRISTMAS

LOGIC PROBLEMS

Find the value for each symbol.

$$\text{Bow} + \text{Bow} = 8.4$$

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

$$\text{Tree} + \text{Ornament} = 6$$

1

Find the value for each symbol.

$$\text{Ornament} - \text{Cookie} = 1.9$$

$$\text{Strawberry} + \text{Strawberry} = 0.8$$

$$\text{Cookie} + \text{Strawberry} =$$

Find the value for each symbol.

$$\text{Basket} + \text{Basket} = 4$$

$$\text{Ornament} - \text{Basket} = 4.9$$

$$\text{Window} - \text{Ornament} = 2.2$$

6

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GRADES
5-6

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.

$$\text{Window} - \text{Gingerbread Man} = 3.9$$

$$\text{Ornament} - \text{Window} = 0.5$$

$$\text{Gingerbread Man} + \text{Gingerbread Man} = 5$$

5

Requires
critical
thinking!


























































This set includes

20 logic puzzles

that focus on addition and subtraction of decimal numbers (to tenths).

A recording sheet is also included.

RECORDING SHEET (DECIMAL LOGIC PROBLEMS)

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.

$$\begin{array}{r} \text{candy cane} + \text{candy cane} = 3.8 \\ \text{green heart} + \text{candy cane} = 6 \\ \text{red heart} - \text{candy cane} = 2.1 \end{array}$$

Ideas for Use



Morning Tubs



Math Centers



Early Finisher Activity



Around the Room Gallery Walk

Tip:

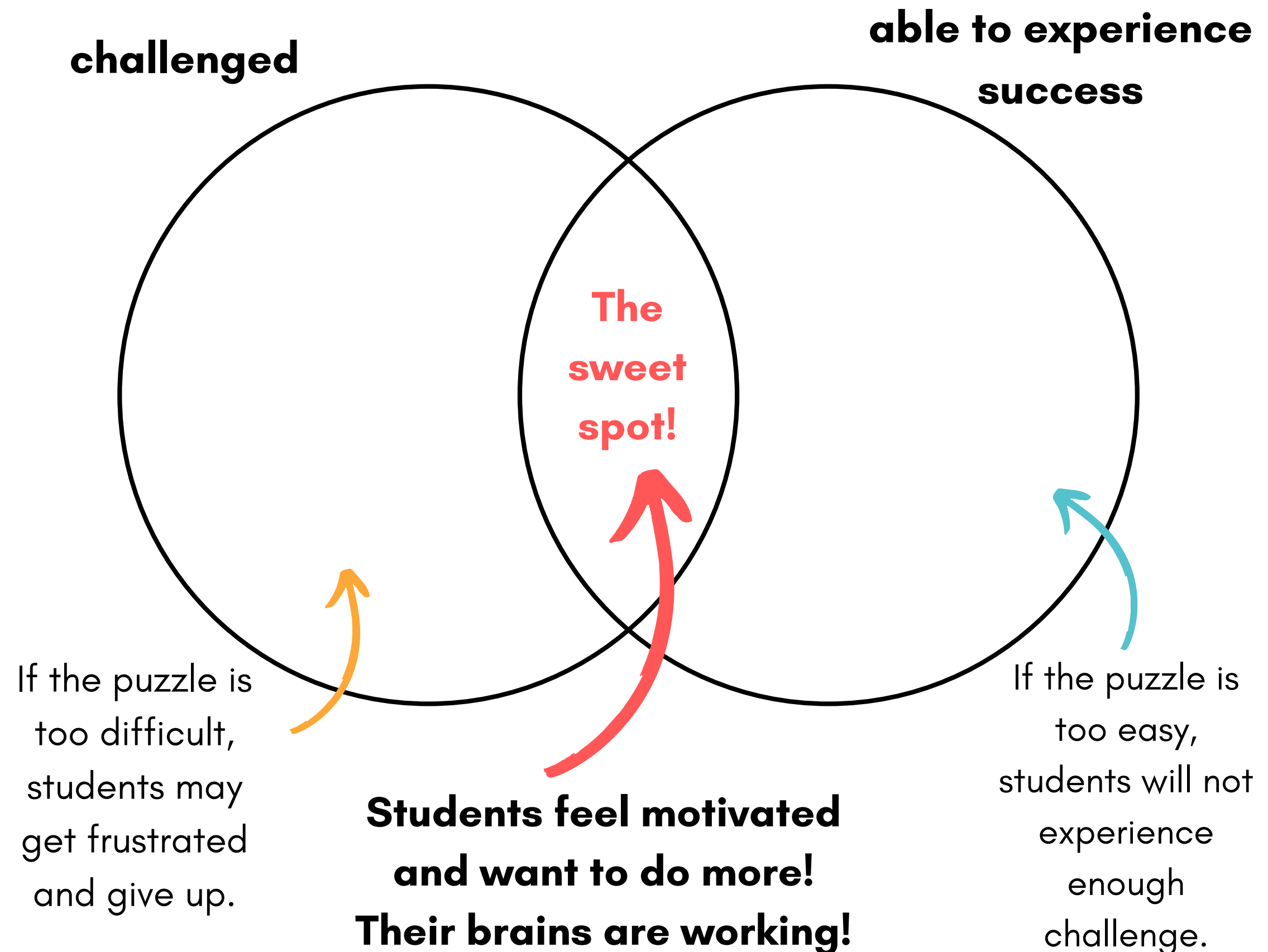
Let your students work in partners and listen to the amazing math conversation that occurs!

"Just enough" struggle...

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

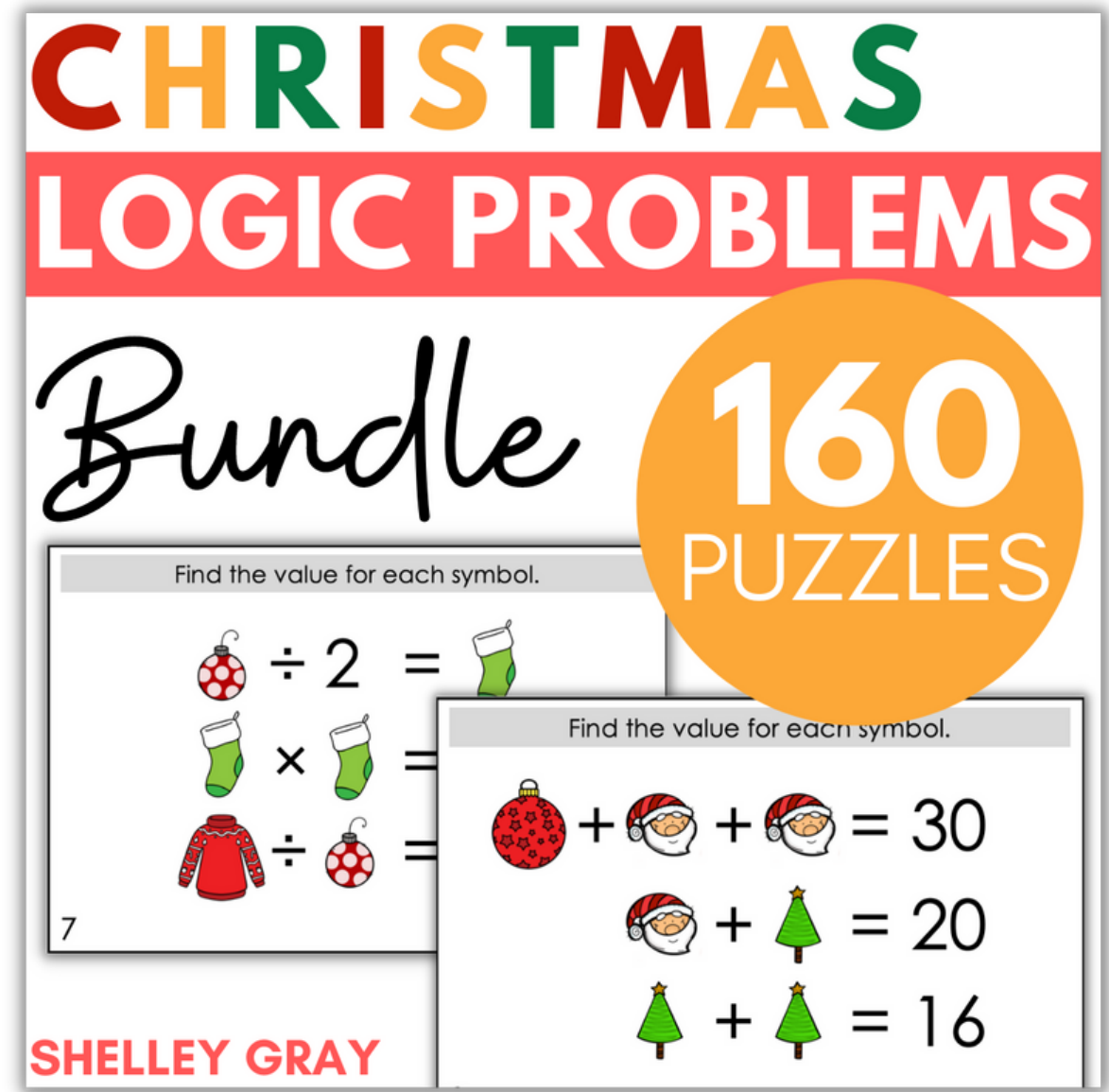
You want your students challenged "just enough" so their brains experience a bit of struggle. But if the challenge is too much, you'll have students experiencing frustration instead (not the goal!)

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



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

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



The image shows the cover of a 'CHRISTMAS LOGIC PROBLEMS Bundle' containing 160 puzzles. It features two sample logic puzzle cards. The top card shows equations with symbols: a red and white polka-dot ornament divided by 2 equals a green sock, a green sock multiplied by a green sock equals 7, and a red sweater divided by a red and white polka-dot ornament equals 7. The bottom card shows equations with symbols: a red and white polka-dot ornament plus two Santa Claus faces equals 30, a Santa Claus face plus a green Christmas tree equals 20, and two green Christmas trees equal 16. The author's name, 'SHELLEY GRAY', is at the bottom left of the cards.

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