

CHRISTMAS

LOGIC PROBLEMS

Find the value for each symbol.

$$\begin{array}{rcl} \text{Stocking} - \text{Santa} & = & 300 \\ \text{Santa} + \text{Santa} + \text{Wreath} & = & 800 \\ \text{Wreath} + \text{Wreath} & = & 800 \end{array}$$

19

Find the value for each symbol.

$$\begin{array}{rcl} \text{Candy cane} + \text{Candy cane} + \text{Santa} & = & 500 \\ \text{Star ornament} + \text{Star ornament} & = & 500 \\ \text{Santa} - 300 & = & \text{Star ornament} \end{array}$$

4

Find the value for each symbol.

$$\begin{array}{rcl} \text{Green polka-dot ornament} + \text{Green polka-dot ornament} + \text{Tree} & = & 500 \\ \text{Santa hat} - 161 & = & \text{Green polka-dot ornament} \\ \text{Tree} + \text{Tree} & = & 500 \end{array}$$

5

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GRADES
4-6

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.

$$\begin{array}{c} \text{Gift} + \text{Gift} = 572 \\ \text{Ornament} - \text{Sweater} = \text{Gift} \\ \text{Sweater} + \text{Gift} = 300 \end{array}$$

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Find the value for each symbol.

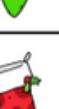
$$\begin{array}{c} \text{Candy Cane} + \text{Candy Cane} + \text{Santa} = 970 \\ \text{Ornament} + \text{Ornament} = 90 \\ \text{Santa} - 300 = \end{array}$$

4

Requires
critical
thinking!

This set includes
20 logic puzzles
that focus on addition and
subtraction within 1,000.

A recording sheet is included to
make student organization simple.

RECORDING SHEET (Addition and Subtraction Within 1,000)			
1  =  =  =	2  =  =  =	3  =  =  =	4  =  =  =
5  =  =  =	6  =  =  =	7  =  =  =	8  =
9  =  =  =	10  =  =  =	11  =  =  =	
13  =  =  =	14  =  =  =	15  =  =  =	
17  =  =  =	18  =  =  =	19  =  =  =	

Find the value for each symbol.

$$\begin{array}{rcl} \text{candy cane} + \text{candy cane} + \text{Santa with bag} & = & 970 \\ \text{red ornament} + \text{red ornament} & = & 900 \\ \text{Santa with bag} - 300 & = & \text{red ornament} \end{array}$$

Find the value for each symbol.

$$\begin{array}{rcl} \text{red gift} + \text{red gift} & = & 572 \\ \text{red ornament} - \text{green sweater} & = & \text{red gift} \\ \text{green sweater} + \text{red gift} & = & 300 \end{array}$$

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!

Find the value for each symbol.

$$\begin{array}{rcl} \text{Stocking} - \text{Santa} & = & 322 \\ \text{Santa} + \text{Santa} + \text{Wreath} & = & 819 \\ \text{Wreath} + \text{Wreath} & = & 898 \end{array}$$

19

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

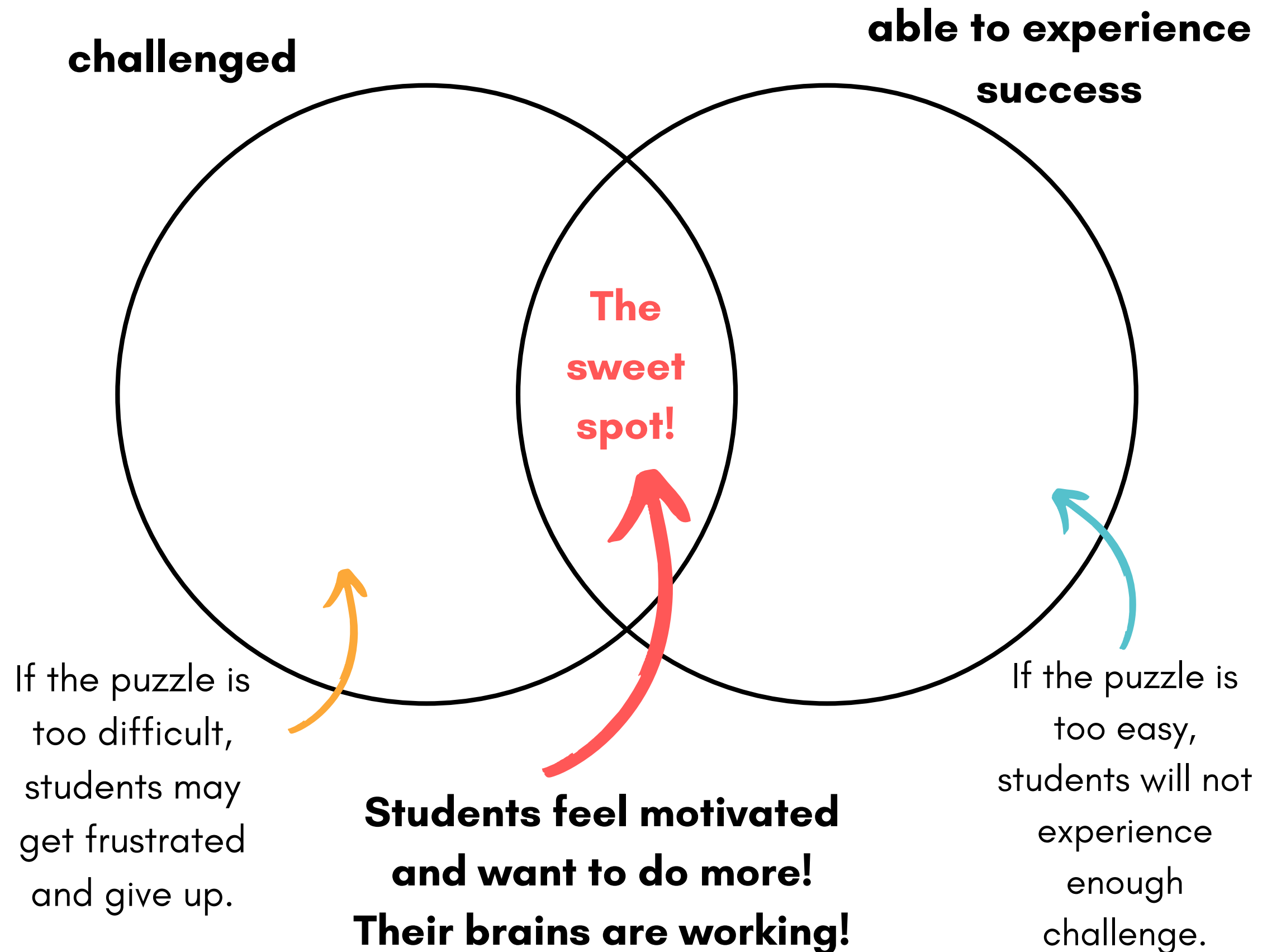
Use it as a math warm-up, daily challenge, or thinking task to promote deep and critical thinking.

"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](#).