

CHRISTMAS

LOGIC PROBLEMS

Find the value for each symbol.

$$\text{Sweater} \times \text{Sweater} = 64$$

$$\text{Stocking} \times \text{Candy cane} =$$

$$\text{Candy cane} \times \text{Sweater} =$$

8

Find the value for each symbol.

$$\text{Window} \times \text{Window} = \text{Stocking}$$

$$5 \div \text{Stocking} = 3$$

$$\text{Sweater} \div \text{Window} =$$

Find the value for each symbol.

$$\text{Santa} \times 3 = \text{Ornament}$$

$$\text{Stocking} \div \text{Santa} = 19$$

$$\text{Ornament} \times \text{Ornament} = 36$$

GRADES
4-6

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.

$$\text{Sled} \times \text{Sled} = 4$$
$$\text{Stocking} \times \text{Sled} = 100$$
$$\text{Candy} \times \text{Stocking} = 50$$

1

Find the value for each symbol.

$$\text{Santa} \times 3 = \text{Ornament}$$
$$\text{Stocking} \div \text{Santa} = 19$$
$$\text{Ornament} \times \text{Ornament} =$$

3





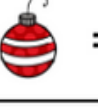





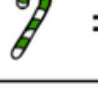














Requires
critical
thinking!

This set includes
20 logic puzzles



that focus on multiplication and division (mostly within 100 with some bigger problems included).



A recording sheet is included to make student organization simple.



RECORDING SHEET (Multiplication and Division Logic Problems)

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

Find the value for each symbol.




 ×  = 64


 ×  = 66



 ×  = 88

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Find the value for each symbol.

 ×  = 

75 ÷  = 3

 ÷  = 3

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Ideas for Use



Morning Tubs



Math Centers



Early Finisher Activity



Around the Room Gallery Walk

Tip:

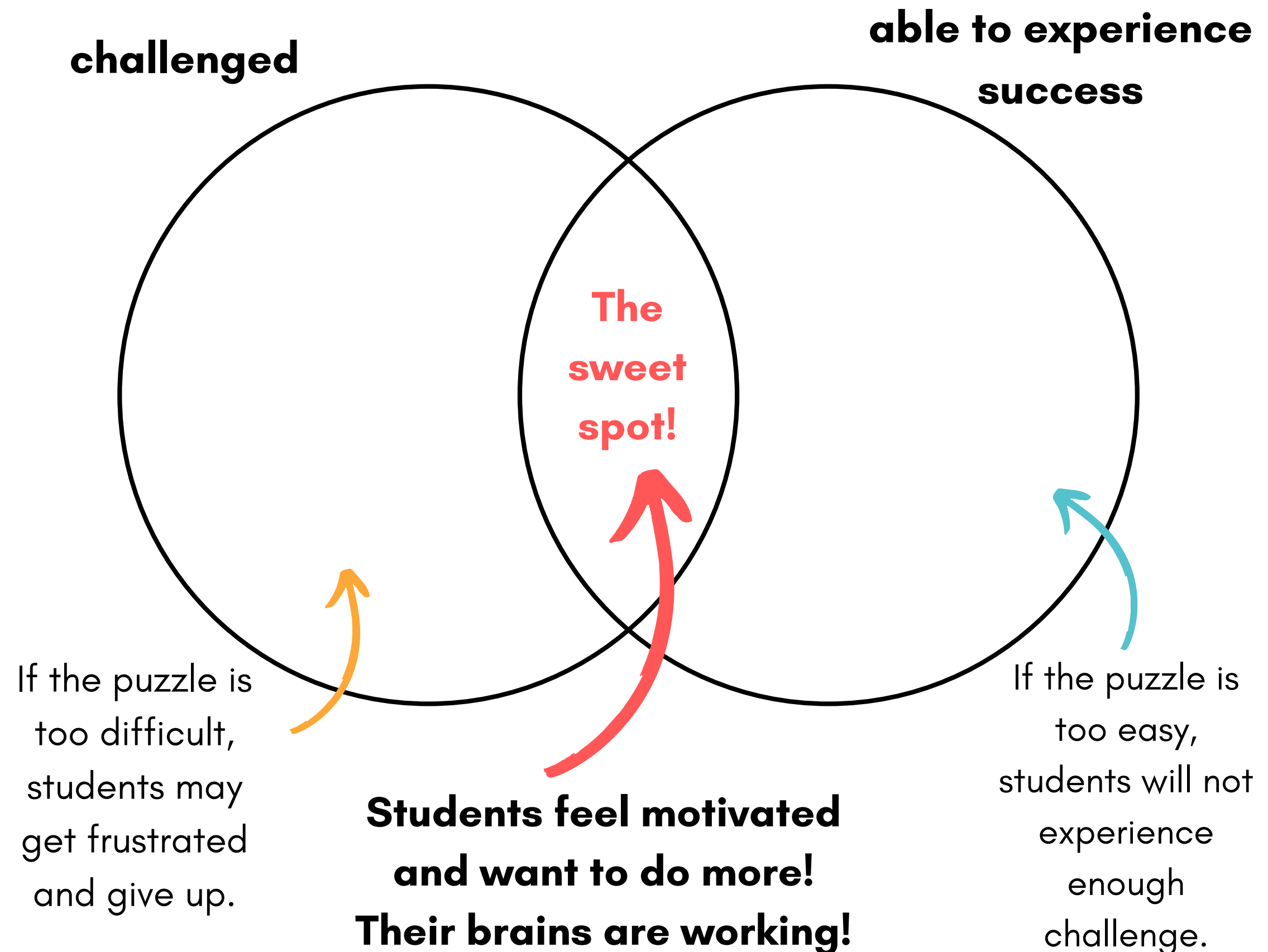
Let your students work in partners and listen to the amazing math conversation that occurs!

"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.**

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!*"

CHRISTMAS
LOGIC PROBLEMS

Bundle **160**
PUZZLES

Find the value for each symbol.

$$\begin{array}{l} \text{Red Ornament} \div 2 = \text{Green Sock} \\ \text{Green Sock} \times \text{Green Sock} = \text{Red Sweater} \\ \text{Red Sweater} \div \text{Red Ornament} = 7 \end{array}$$

Find the value for each symbol.

$$\begin{array}{l} \text{Red Ornament} + \text{Santa Claus} + \text{Santa Claus} = 30 \\ \text{Santa Claus} + \text{Green Tree} = 20 \\ \text{Green Tree} + \text{Green Tree} = 16 \end{array}$$

SHELLEY GRAY

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