

CHRISTMAS

LOGIC PROBLEMS

Find the value for each symbol.

$$\begin{array}{r} \text{Red Bow} - 14 = \\ \text{Brown Tree} + \text{Brown Tree} = \\ \text{Red and Green Ornament} - \text{Brown Tree} = \end{array}$$

18

Find the value for e

$$\begin{array}{r} \text{Green and White Cane} + \text{Green and White Cane} = \\ \text{Brown Tree} + \text{Green and White Cane} = \\ \text{Green and White Cane} + \text{Green Ornament} = \end{array}$$

15

Find the value for each symbol.

$$\begin{array}{r} 15 - \text{Red Ornament} = 10 \\ \text{Red and White Cane} + \text{Green Tree} = 15 \\ \text{Green Tree} + \text{Green Tree} = \end{array}$$

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.

$$\text{Green ornament} - \text{Green bow} = 11$$

$$\text{Green ornament} - \text{Box of colorful ornaments} = 9$$

$$\text{Green bow} + \text{Box of colorful ornaments} = 10$$

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Find the value for each symbol.

$$\text{Red and green striped cup} + \text{Yellow bell} = 20$$

$$\text{Red and green striped cup} - \text{Gingerbread man} = 15$$

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

3

Requires
critical
thinking!



































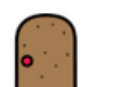
















This set includes
20 logic puzzles

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  =  =  =	3
17  =  =  =	18  =  =  =	19  =  =  =	

Find the value for each symbol.

 +  = 20
 -  = 15
 +  = 9

Find the value for each symbol.

 - 14 = 
 +  = 12
 -  = 10

Ideas for Use



Morning Tubs



Math Centers



Early Finisher Activity



Around the Room Gallery Walk

Tip:

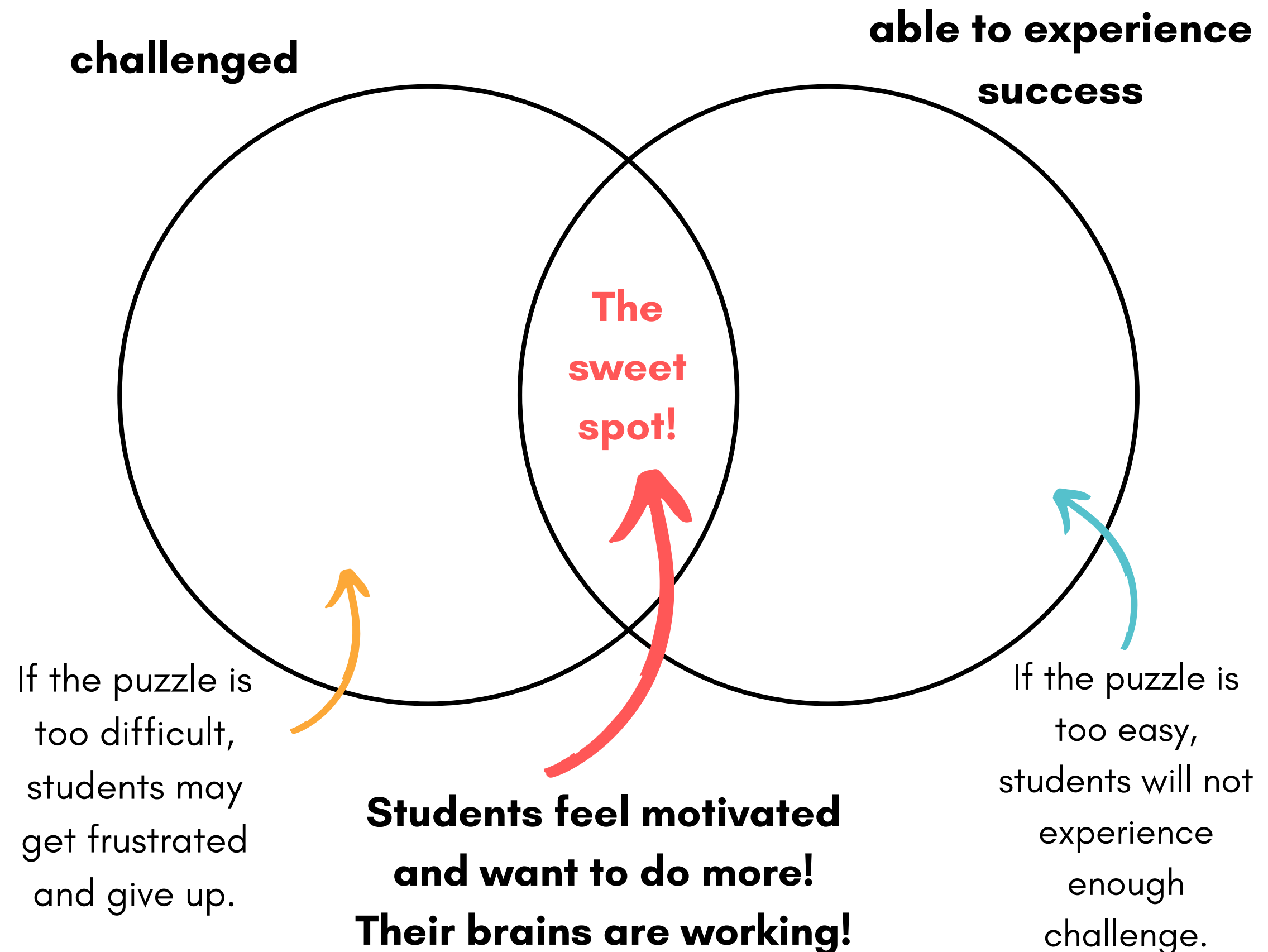
Let your students work in partners and listen to the amazing math conversation that occurs!

"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!**



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.

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

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