

CHRISTMAS

LOGIC PROBLEMS

Find the value for each symbol.

$$\text{chimney} \times \text{chimney} = 25$$



+



+



+

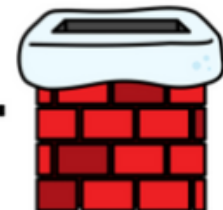


1

Find the value for each symbol.



+



+



x



+



$$= 80$$

3

Find the value for each symbol.

$$20 \times \text{arch} = \text{tree}$$



x



=

$$100$$



+



+



=

11

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.

$$\begin{array}{c} \text{Santa Hat} \times \text{Santa Hat} = 25 \\ \text{Christmas Tree} + \text{Santa Hat} = 20 \\ \text{Pine Cone} + \text{Pine Cone} + \text{Christmas Tree} = 75 \end{array}$$

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Find the value for each symbol.

$$\begin{array}{c} \text{Santa Claus} \times \text{Santa Claus} = 100 \\ \text{Gingerbread House} + \text{Gingerbread House} + \text{Fire} = 15 \\ \text{Fire} - 3 = \end{array}$$

15

Requires
critical
thinking!

This set includes
20 logic puzzles
that focus on addition,
subtraction, and multiplication
within 100.

A recording sheet is included to
make student organization simple.

RECORDING SHEET (Add, Subtract, Multiply Within 100)

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

$20 \times \text{Brick Chimney} = \text{Christmas Tree}$

$\text{Brick Chimney} \times \text{House} = 10$

$\text{House} + \text{House} + \text{House} = 75$

Find the value for each symbol

$\text{Angel} + \text{Brick Chimney} + \text{Gingerbread Man} = 60$

$\text{Brick Chimney} \times \text{Brick Chimney} = 4$

$\text{Gingerbread Man} + \text{Gingerbread Man} = 80$

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.

$$\begin{array}{rcl} \text{Candy Cane} & \times & \text{Candy Cane} = 25 \\ \text{Tree} & + & \text{Candy Cane} = 20 \\ \text{Light} & + & \text{Light} + \text{Tree} = 75 \end{array}$$

1

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

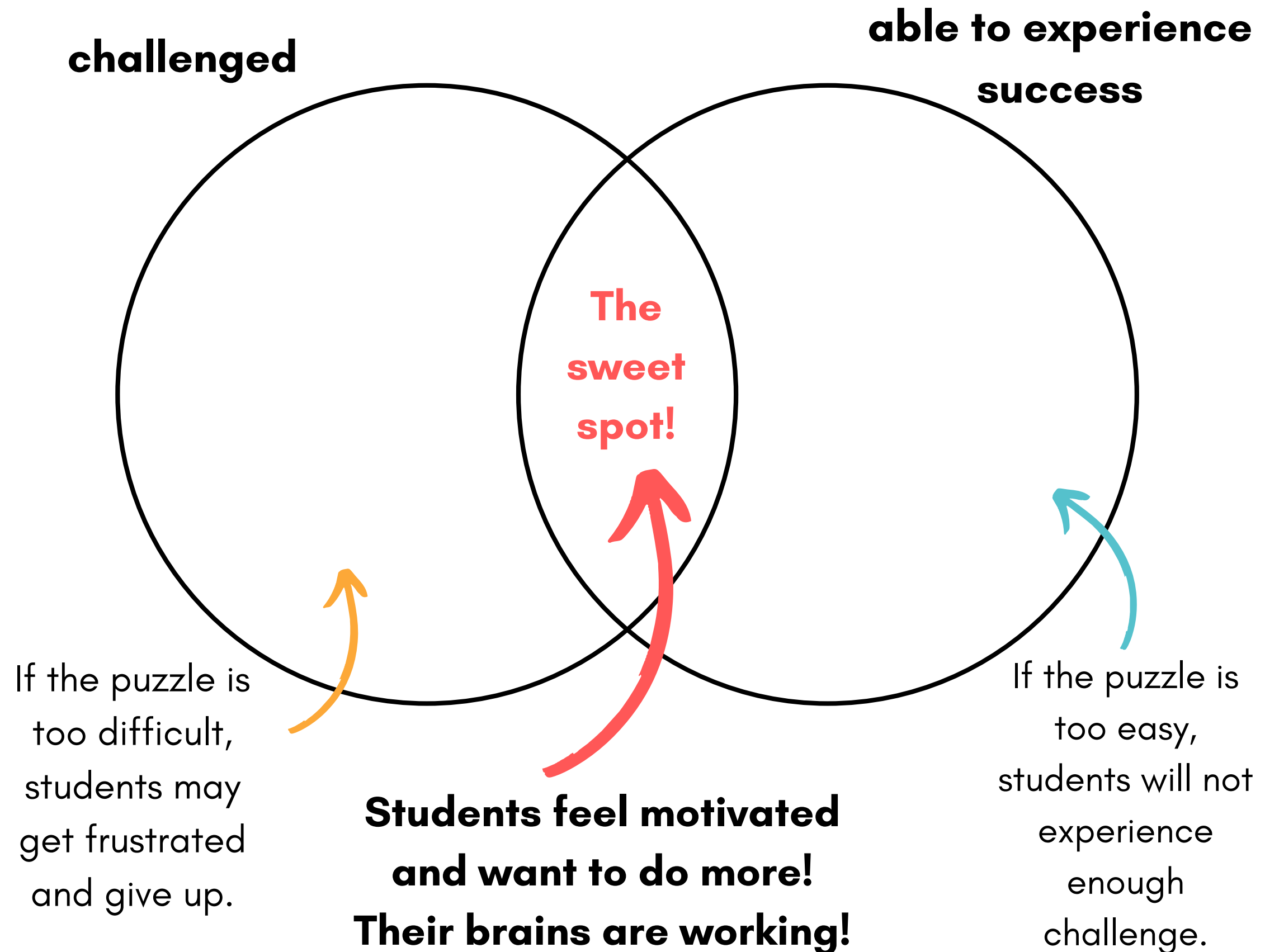
Use it as a math warm-up, daily challenge, or thinking task to promote deep and critical thinking.

"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](#).