

CHRISTMAS

LOGIC PROBLEMS

Find the value for each symbol.

$$\text{Nutcracker} + \text{Bow} = 5$$

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

$$\text{Gingerbread Man} - 4 = \text{Bow}$$

2

Find the value for each symbol.

$$\text{Gingerbread Man} - \text{Cup} = \text{Train}$$

$$\text{Cup} - 8 = \text{Train}$$

$$\text{Train} + \text{Train} = 2$$

6

Find the value for each symbol.

$$\text{Bow} + \text{Bow} = 10$$

$$\text{Light Bulb} - \text{Bow} = 4$$

$$\text{Trumpet} - \text{Bow} = \text{Train}$$

5

GRADE
2

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.

$$\text{Gingerbread Man} - \text{Green Cup} = \text{Toy Train}$$
$$\text{Green Cup} - 8 = \text{Toy Train}$$

6

Find the value for each symbol.

$$\text{Candy Cane} - \text{Brown Tree} = 6$$
$$\text{Brown Tree} + \text{Brown Tree} = 8$$
$$\text{Gingerbread Man} - \text{Brown Tree} = 14$$

Requires
critical
thinking!





















































This set includes
20 logic puzzles

that focus on addition and
subtraction within 10.



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 & Subtraction Within 10)

1  =  =  =	2  =  =  =	3  =  =  =	4  =  =  =
5  =  =  =	6  =  =  =	7  =  =  =	8  =
9  =  =  =	10  =  =  =	11  =  =  =	12  =
13  =  =  =	14  =  =  =	15  =  =  =	16  =
17  =  =  =	18  =  =  =	19  =  =  =	20  =




Find the value for each symbol.



 -  = 6



 +  = 8

 - 2 = 

Find the value for each symbol.

 -  = 

 - 8 = 

 +  = 2

6 © Shelley Gray

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.

$$\text{bow} + \text{bow} = 10$$
$$\text{lightbulb} - \text{bow} = 4$$
$$\text{trumpet} - \text{bow} = 3$$

5

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

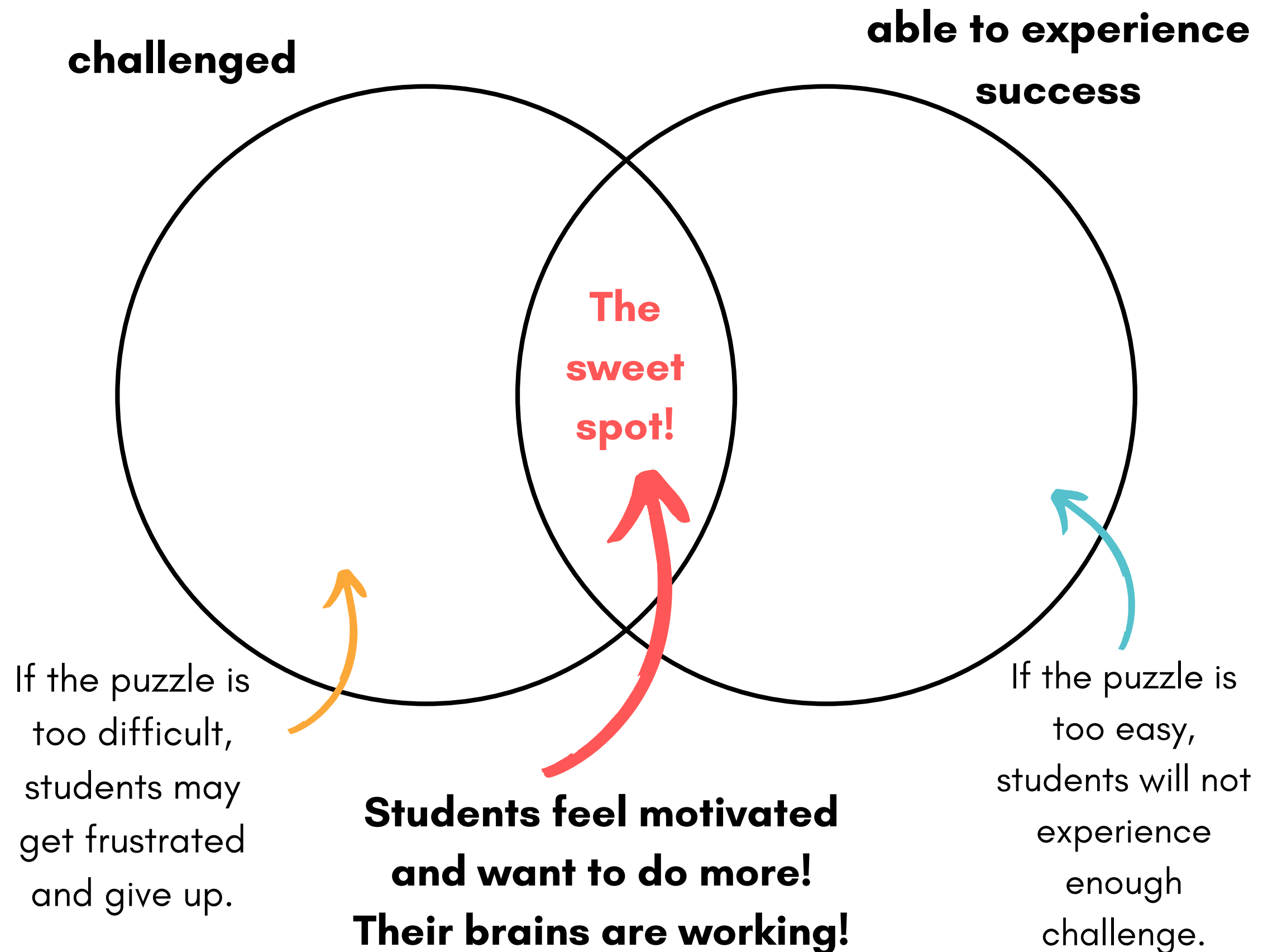
Use it as a math warm-up, daily challenge, or thinking task to promote deep and critical thinking.

"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!



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