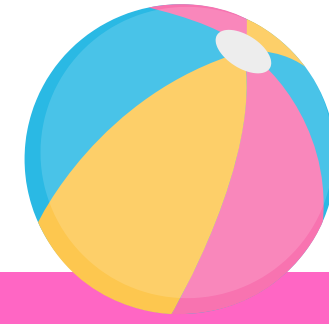


SUMMER



ADDITION &
SUBTRACTION
WITHIN 20

LOGIC PROBLEMS

Find the value for each symbol.

$$\text{Bee} - \text{Watermelon slice} = 5$$
$$\text{Ant} - \text{Watermelon slice} = 7$$
$$\text{Watermelon slice} + \text{Watermelon slice} = 18$$

1

Find the value for each symbol.

$$\text{Rainbow} - \text{Bikini} = 1$$
$$8 - \text{Bikini} = \text{Bikini}$$
$$\text{Rainbow} + \text{Bucket} = 20$$

13

Find the value for each symbol.

$$\text{Sun} - \text{Star} = 4$$
$$16 - \text{Star} = \text{Star}$$
$$\text{Shorts} - \text{Star} = \text{Sun}$$

19

GRADES
3-4

Ready to

challenge

your students in a new way?






These Logic Puzzles will require your students to use algebraic thinking, providing a whole new element of challenge!








Find the value for each symbol.

$$\text{Sun} - \text{Star} = 4$$
$$16 - \text{Star} = \text{Star}$$

19









Find the value for each symbol.

$$\text{Umbrella} + \text{Basket} = \text{Worm}$$
$$\text{Basket} + \text{Basket} = 8$$


Find the value for each symbol.

$$\text{Towel} - \text{Bikini} = 13$$
$$8 - \text{Bikini} = \text{Bikini}$$
$$\text{Towel} + \text{Bucket} = 20$$

13



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.

Find the value for each symbol.




































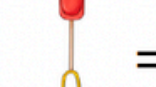




 +  = 
 +  = 8
 = 18

© Shelley Gray

Find the value for each symbol.

 -  = 13
 8 -  = 
 +  = 20

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RECORDING SHEET (Add and Subtract Within 20)			
1  =	2  =	3  =	4  =
 =	 =	 =	 =
 =	 =	7  =	8  =
 =	 =	 =	 =
11  =	12  =	 =	 =
 =	 =	15  =	16  =
 =	 =	 =	 =
17  =	18  =	19  =	20  =
 =	 =	 =	 =
 =	 =	 =	 =

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Ideas for Use



Morning Tubs



Math Centers



Early Finisher Activity



Around the Room Gallery Walk



Small Group Intervention

Tip:

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

Find the value for each symbol.

$$\text{bee} - \text{watermelon slice} = 5$$

$$\text{ant} - \text{watermelon slice} = 7$$

$$\text{watermelon slice} + \text{watermelon slice} = 18$$

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.

Looking for a bigger bundle of puzzles?

Try using differentiated puzzles to provide a "just right" challenge for all your students.
















This bundle includes 160 logic puzzles at 8 different levels!

Try letting students choose the set that challenges them perfectly to increase their metacognition and encourage them to take responsibility for their own learning!

SUMMER 
LOGIC PROBLEMS

Bundle **160**
PUZZLES

Find the value for each symbol.

 +  = 30	 ×  = 	
22 -  = 		 ×  = 56
 +  +  = 60		 +  +  = 24

12 © Shelley Gray 20 © Shelley Gray

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