

# SUMMER

ADDITION &  
SUBTRACTION  
WITHIN 1,000

# LOGIC PROBLEMS

Find the value for each symbol.

$$\begin{array}{l} \text{ring} + \text{ring} = 520 \\ \text{bottle} - \text{ring} = 520 \\ \text{ball} + \text{bottle} = 1,000 \end{array}$$

3

Find the value for each symbol.

$$\begin{array}{l} \text{orange pop} + \text{red pop} = 740 \\ \text{vanilla cone} + \text{orange pop} + \text{orange pop} = 816 \\ \text{red pop} + \text{red pop} = 740 \end{array}$$

8

Find the value for each symbol.

$$\begin{array}{l} \text{box} + \text{shorts} = 610 \\ 360 + \text{shorts} + \text{box} = 910 \\ 260 - \text{shorts} = 16 \end{array}$$

GRADES  
**4-6**

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.

$$\text{chicken} + \text{burger} + \text{burger} = 810$$
$$\boxed{\text{fun}} + \boxed{\text{fun}} = 196$$
$$\text{burger} + \boxed{\phantom{000}} = 196$$

19

Find the value for each symbol.

$$\text{cup} + \text{shorts} = 610$$
$$360 + \text{shorts} + \text{cup} = \boxed{\text{good times}}$$

Find the value for each symbol.

$$\text{orange pop} + \text{red pop} = 760$$
$$\text{ice cream cone} + \text{orange pop} + \text{orange pop} = 800$$
$$\text{red pop} + \text{red pop} = 740$$

8

Requires critical thinking!

This set includes  
**20 logic puzzles**

that focus on addition and subtraction within 1,000.

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.

$$\text{chicken} + \text{burger} + \text{burger} = 810$$

$$\boxed{\text{fun}} + \boxed{\text{fun}} = 196$$

$$\text{burger} + \boxed{\text{fun}} = 340$$

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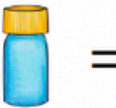






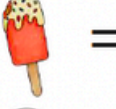
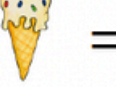














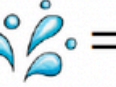







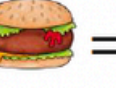
Find the value for each symbol.

$$\text{sunscreen} + \text{shorts} = 610$$

$$360 + \text{shorts} + \text{sunscreen} = \boxed{\text{good times}}$$

$$260 - \text{shorts} = \text{shorts}$$

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RECORDING SHEET (Add and Subtract Within 1000)			
1  =	2  =  =  =	3  =  =  =	4  =  =  =
 =  =  =	7  =  =  =	8  =  =  =	
19  =	17  =  =  =	18  =  =  =	11  =  =  =
		15  =  =  =	12  =  =  =
		16  =  =  =	20  =  =  =

# 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.

$$\begin{array}{r} \text{Ice cream cone} + \text{Ice cream bar} + \text{Ice cream bar} = 760 \\ \text{Ice cream cone} + \text{Ice cream bar} + \text{Ice cream bar} = 800 \\ \text{Ice cream bar} + \text{Ice cream bar} = 740 \end{array}$$

8

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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	Find the value for each symbol.	$6 \times \text{strawberry} = \text{sun}$
$22 - \text{apple} = \text{apple}$		$\text{strawberry} \times \text{watermelon slice} = 56$
$\text{strawberry} + \text{strawberry} + \text{watermelon slice} = 60$		$\text{watermelon slice} + \text{watermelon slice} + \text{watermelon slice} = 24$

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