

SUMMER

DECIMAL NUMBERS
WITHIN 10

LOGIC PROBLEMS

Find the value for each symbol.

$$\text{ant} + \text{watermelon} = 6.4$$

$$\text{watermelon} - \text{sun} = 4.$$

$$6.8 - \text{sun} = \text{sun}$$

3

Find the value for each symbol.

$$\text{beetle} + \text{fly} = 9$$

$$\text{fly} - \text{bee} = 6$$

$$\text{bee} + \text{bee} = 3.6$$

Find the value for each symbol.

$$\text{flip flop} + \text{drink} = 8.5$$

$$\text{drink} + \text{crab} = 5$$

$$8.2 - \text{crab} = \text{crab}$$

17

GRADES
4-6

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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.

$$\begin{array}{l} \text{Sandcastle} + \text{Sandcastle} = 4.8 \\ \text{Palm tree} - \text{Sandcastle} = 0.3 \\ \text{Ice cream} - \text{Palm tree} = \end{array}$$

20

Find the value for each symbol.

$$\begin{array}{l} \text{Flip flop} + \text{Cocktail} = 8.5 \\ \text{Cocktail} + \text{Crab} = 5.9 \\ 8.2 - \text{Crab} = \end{array}$$

Find the value for each symbol.

$$\begin{array}{l} \text{Green beetle} + \text{Fly} = 9 \\ \text{Fly} - \text{Bee} = 6.4 \\ \text{Bee} + \text{Bee} = 3.6 \end{array}$$

7

Requires critical thinking!












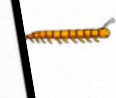



























This set includes
20 logic puzzles

that focus on decimal numbers
 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 (Decimals)

1  =	2  =  =  =	3  =  =  =	4  =  =  =
Find the value for each symbol.		7  =  =	8  =  =  =
Find the value for each symbol.		11  =  =  =	12  =  =  =
© Shelley Gray		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.

$$\text{ant} + \text{watermelon} = 6.4$$

$$\text{watermelon} - \text{sun} = 4.7$$

$$6.8 - \text{sun} = \text{sun}$$

3

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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	<p>Find the value for each symbol.</p> <p>6 ×  = </p> <p> ×  = 56</p>
22 -  = 	
 +  = 60	

12

SHELLEY GRAY  +  +  = 24

20

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