










The students use what they know about multiplication, addition, subtraction and division to solve for the missing numbers.

For example, using problem A of the Christmas puzzles:

Christmas Math Puzzle (A)










 ×  = 9	 <input style="width: 40px; height: 30px;" type="text"/>
 +  = 12	 <input style="width: 40px; height: 30px;" type="text"/>
 ÷  +  =	<input style="width: 80px; height: 50px;" type="text"/>

1. reindeer x reindeer = 9, so the reindeer would have to be 3 because $3 \times 3 = 9$.

2. reindeer + bulb = 12, we already know that the reindeer = 3, so the bulb would have to be 9 because $3 + 9 = 12$.

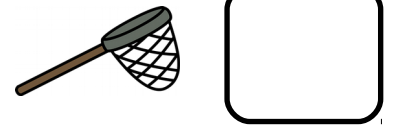
3. bulb / reindeer + reindeer, the answer is $9 / 3 + 3 = 6$

Those are the answers shown on the answer key:
3 (reindeer), 9 (bulb), 6 (answer to the final problem)

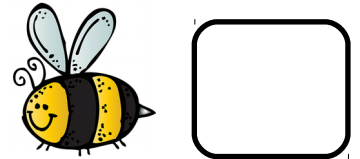
<h1 style="margin: 0;">Christmas</h1>		Name: _____		
<h2 style="margin: 0;">Math and Logic Cards</h2>		ANSWER KEY		
	A	B	C	D
	 3	 2	 4	 5
	 9	 7	 12	 6
	<input style="width: 40px; height: 40px; border: 2px solid black;" type="text" value="6"/>	<input style="width: 40px; height: 40px; border: 2px solid black;" type="text" value="21"/>	<input style="width: 40px; height: 40px; border: 2px solid black;" type="text" value="148"/>	<input style="width: 40px; height: 40px; border: 2px solid black;" type="text" value="41"/>

Spring Math Puzzle (A)

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



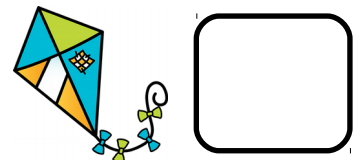
$$\text{net} + \text{bee} = 12$$



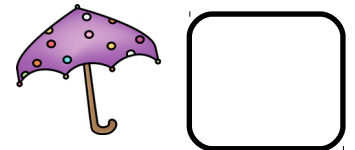
$$\text{bee} \times \text{net} + \text{bee} = \square$$

Spring Math Puzzle (B)

$$\text{kite} + \text{kite} + \text{kite} = 21$$



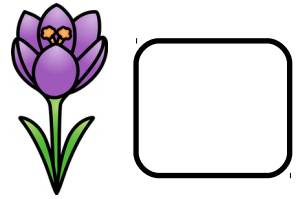
$$\text{umbrella} + \text{kite} = 16$$



$$\text{kite} + \text{kite} \times \text{umbrella} = \square$$

Spring Math Puzzle (C)

$$\text{flower} + \text{flower} = 16$$

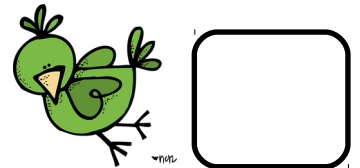
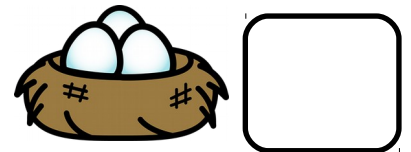


$$40 \div \text{net} = \text{flower}$$

$$\text{flower} \times \text{flower} + \text{net} = \boxed{}$$

Spring Math Puzzle (D)

$$\text{nest} + \text{nest} + \text{nest} = 27$$

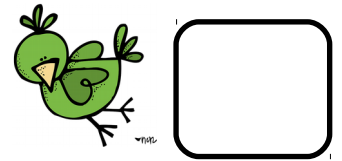


$$\text{nest} - 5 = \text{bird}$$

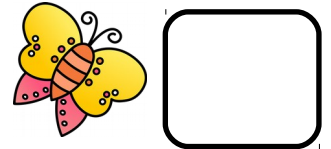
$$\text{nest} \times \text{nest} + \text{bird} = \boxed{}$$

Spring Math Puzzle (E)

$$\text{Bird} \times \text{Bird} = 16$$



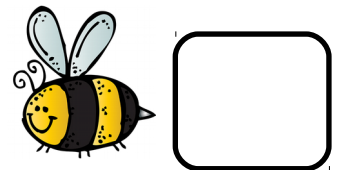
$$\text{Butterfly} + \text{Bird} = 15$$



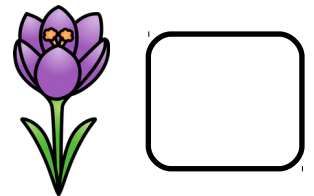
$$\text{Butterfly} \times \text{Bird} + \text{Bird} = \square$$

Spring Math Puzzle (F)

$$\text{Bee} + \text{Bee} + \text{Bee} = 18$$



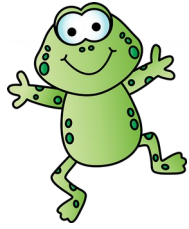
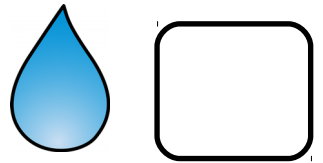
$$48 \div \text{Bee} = \text{Flower}$$



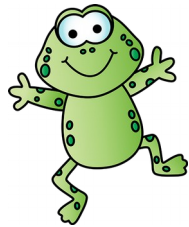
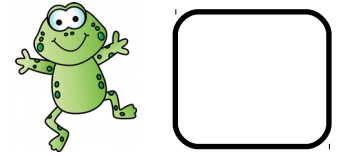
$$\text{Bee} \times \text{Bee} + \text{Flower} = \square$$

Spring Math Puzzle (G)

$$\text{Water Drop} \times \text{Water Drop} = 9$$



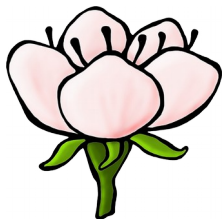
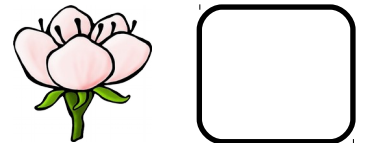
$$\text{Frog} \div 2 = \text{Water Drop}$$



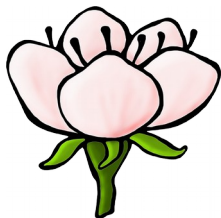
$$\text{Frog} \div \text{Water Drop} + \text{Water Drop} = \boxed{}$$

Spring Math Puzzle (H)

$$\text{Flower} + \text{Flower} = 22$$



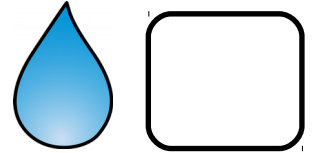
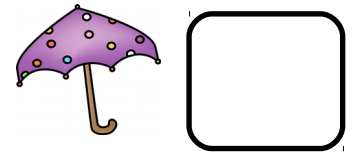
$$\text{Flower} - 4 = \text{Rainbow}$$



$$\text{Flower} \times \text{Flower} - \text{Rainbow} = \boxed{}$$

Spring Math Puzzle (I)

$$\text{umbrella} \times \text{umbrella} = 36$$

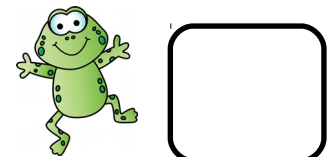


$$24 \div \text{umbrella} = \text{water drop}$$

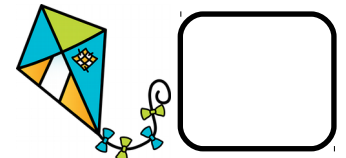
$$\text{water drop} \times \text{water drop} + \text{umbrella} = \boxed{}$$

Spring Math Puzzle (J)

$$\text{frog} + \text{frog} = 18$$



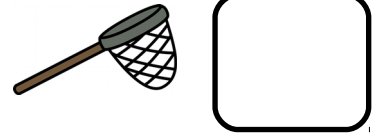
$$\text{frog} + \text{kite} = 15$$



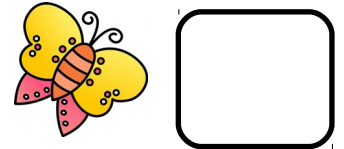
$$\text{frog} \times \text{kite} + \text{kite} = \boxed{}$$

Spring Math Puzzle (K)

$$\text{net} + \text{net} = 8$$



$$\text{butterfly} \times \text{net} = 44$$



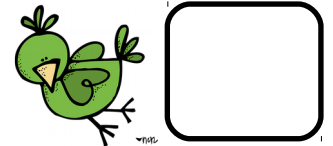
$$\text{butterfly} \times \text{butterfly} - \text{net} = \square$$

Spring Math Puzzle (L)

$$\text{bee} \times \text{bee} = 49$$



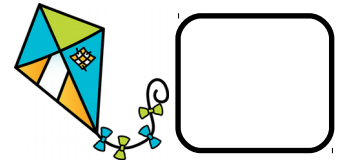
$$15 - \text{bee} = \text{bird}$$



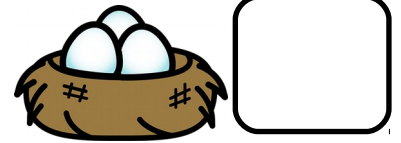
$$\text{bird} \times \text{bee} + \text{bird} = \square$$

Spring Math Puzzle (M)

$$\text{Kite} + \text{Kite} + \text{Kite} = 36$$



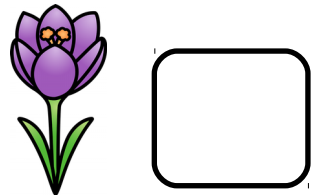
$$\text{Kite} \div 4 = \text{Nest}$$



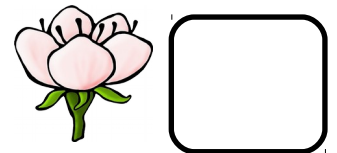
$$\text{Kite} + \text{Kite} \div \text{Nest} = \text{Box}$$

Spring Math Puzzle (N)

$$\text{Purple Flower} + \text{Purple Flower} + \text{Purple Flower} = 24$$



$$72 \div \text{Pink Flower} = \text{Purple Flower}$$



$$\text{Purple Flower} \times \text{Purple Flower} + \text{Pink Flower} = \text{Box}$$

Spring Math Puzzle (0)

$$\text{rainbow} + \text{rainbow} + \text{rainbow} = 15$$



$$\text{droplet} + \text{rainbow} = 14$$

$$\text{rainbow} \times \text{droplet} - \text{droplet} = \boxed{}$$

Spring Math Puzzle (P)

$$\text{butterfly} + \text{butterfly} = 20$$



$$\text{butterfly} \times \text{flower} = 90$$



$$\text{butterfly} + \text{butterfly} \times \text{flower} = \boxed{}$$

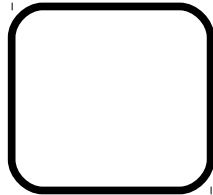
Spring

Name: _____

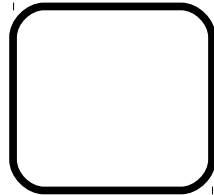
Math and Logic Cards



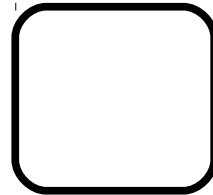
A



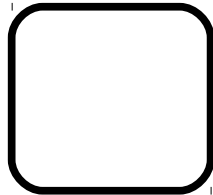
B



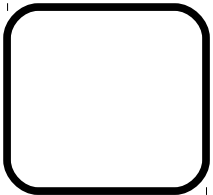
C



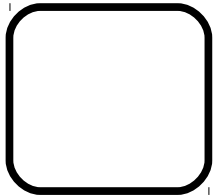
D



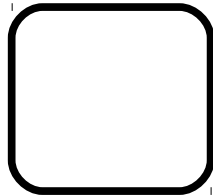
E



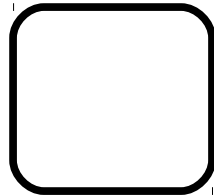
F



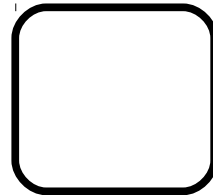
G



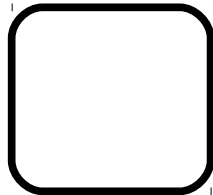
H



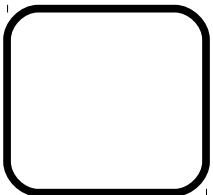
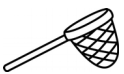
I



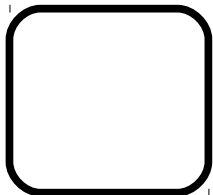
J



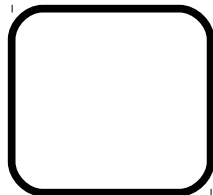
K



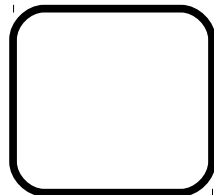
L



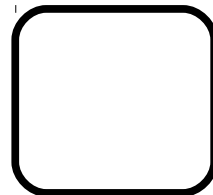
M



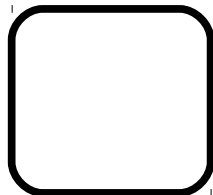
N



O



P


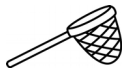




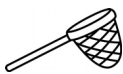







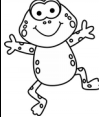






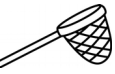













Spring

Name: _____

Math and Logic Cards

ANSWER KEY

	A  5  7 42	B  7  9 70	C  8  5 69	D  9  4 85	
 4  8 48	E  6  8 44	F  3  6 5	G  11  7 114	H  6  4 22	I  9  6 60
 4  8 17	J  7  8 64	K  12  3 16	L  8  9 73	M  5  9 36	N  10  9 100

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