










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"/>

Halloween Math Puzzle (A)

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




$$\text{house} - \text{moon} = 4$$




$$\text{house} \times \text{moon} + \text{moon} =$$

Halloween Math Puzzle (B)

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



$$\text{candy} - \text{candy corn} = 6$$



$$\text{candy corn} \times \text{candy} + \text{candy corn} =$$

Halloween Math Puzzle (C)

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

$$\text{Candle} = \square$$

$$\text{Spiderweb} \times \text{Candle} = 27$$

$$\text{Spiderweb} = \square$$

$$\text{Candle} \times \text{Spiderweb} + \text{Spiderweb} = \square$$

Halloween Math Puzzle (D)

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

$$\text{Spider} = \square$$

$$\text{Spider} \times \text{Pumpkin} = 24$$

$$\text{Pumpkin} = \square$$

$$\text{Pumpkin} \times \text{Spider} + \text{Pumpkin} = \square$$

Halloween Math Puzzle (E)



x



= 81



x



= 25



x



+



=

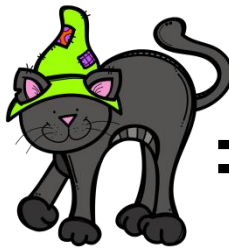
Halloween Math Puzzle (F)



+



+



= 24



+



= 20



x



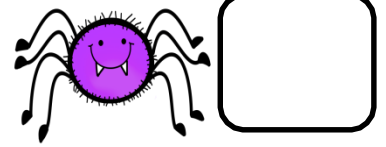
+



=

Halloween Math Puzzle (G)

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



$$\text{Spider} + \text{Pumpkin} = 10$$



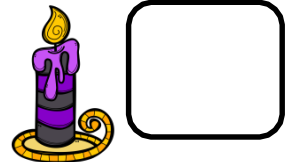
$$\text{Pumpkin} \times \text{Pumpkin} + \text{Spider} = \square$$

Halloween Math Puzzle (H)

$$\text{Candle} + \text{Candle} + \text{Candle} = 12$$

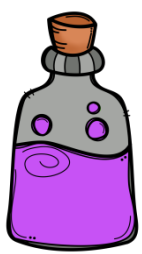


$$\text{Witch} - \text{Candle} = 7$$

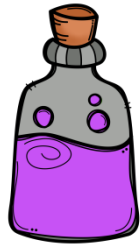


$$\text{Candle} \times \text{Witch} + \text{Candle} = \square$$

Halloween Math Puzzle ①



x



= 25



13

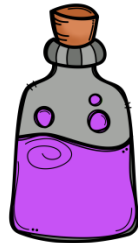
-

6

=



x



+



=

Halloween Math Puzzle (J)



+



+



= 9



-

2

=

6



x



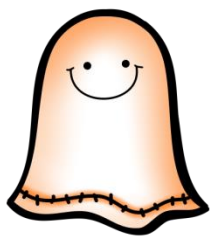
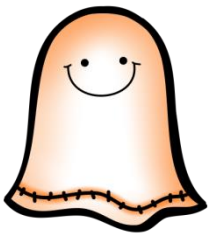
+




=

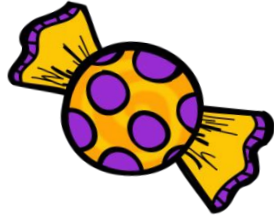
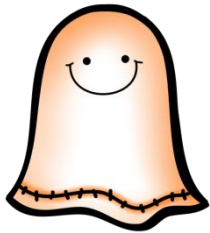
Halloween Math Puzzle (K)


$$\text{ghost} \times \text{ghost} = 9$$

 \times  = 9

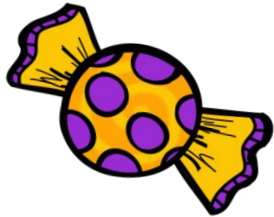
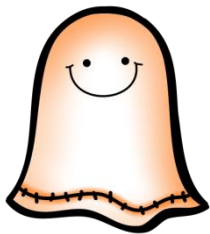
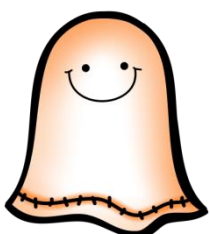


$$\text{candy} + \text{ghost} = 13$$

 +  = 13






$$\text{candy} \times \text{ghost} + \text{ghost} = \square$$

 \times  +  =


Halloween Math Puzzle (L)


$$\text{jar} + \text{jar} = 14$$

 +  = 14

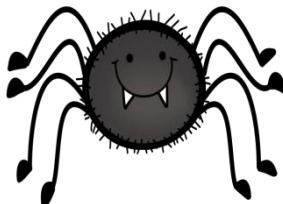
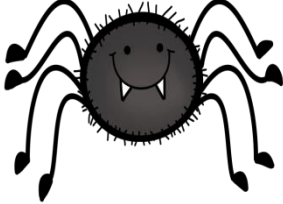



$$40 \div \text{spider} = 8$$

40 \div  = 8

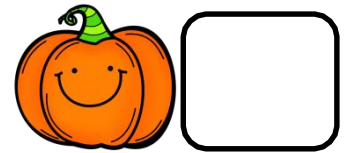


$$\text{spider} \times \text{spider} + \text{jar} = \square$$

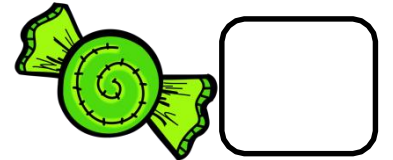
 \times  +  =

Halloween Math Puzzle (M)

$$\text{Pumpkin} \times \text{Pumpkin} = 81$$



$$21 - \text{Pumpkin} = \text{Candy}$$



$$\text{Candy} \div \text{Candy} + \text{Pumpkin} = \text{Box}$$

Halloween Math Puzzle (N)

$$\text{Candy Corn} \times \text{Candy Corn} = 16$$



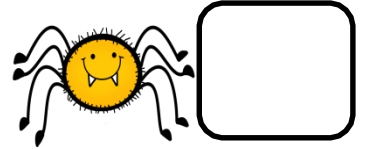
$$\text{Moon} - \text{Candy Corn} = 2$$



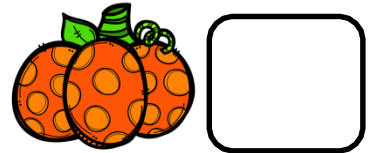
$$\text{Moon} \times \text{Moon} \div \text{Candy Corn} = \text{Box}$$

Halloween Math Puzzle (O)

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



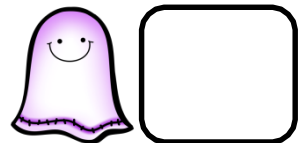
$$\text{Pumpkin} + \text{Spider} = 15$$



$$\text{Pumpkin} \times \text{Spider} + \text{Spider} = \square$$

Halloween Math Puzzle (P)

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



$$42 \div \text{Potion} = 6$$







$$\text{Ghost} \times \text{Potion} + \text{Potion} = \square$$



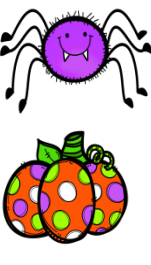

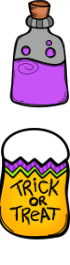

Halloween

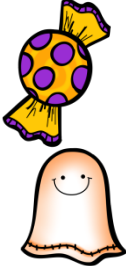





Name: _____

Math and Logic Cards



A  <input type="text"/>	B  <input type="text"/>	C  <input type="text"/>	D  <input type="text"/>
----------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------

E  <input type="text"/>	F  <input type="text"/>	G  <input type="text"/>	H  <input type="text"/>	I  <input type="text"/>	J  <input type="text"/>
-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------

K  <input type="text"/>	L  <input type="text"/>	M  <input type="text"/>	N  <input type="text"/>	O  <input type="text"/>	p  <input type="text"/>
-----------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------

Halloween

Name: _____

Math and Logic Cards

ANSWER KEY



A	B	C	D
12	11	9	6
8	5	3	4
104	60	30	28

E	F	G	H	I	J
9	8	4	11	5	3
5	12	6	4	7	8
50	76	40	48	40	67

K	L	M	N	O	P
10	7	9	4	7	12
3	5	12	6	8	7
33	32	10	9	63	91

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