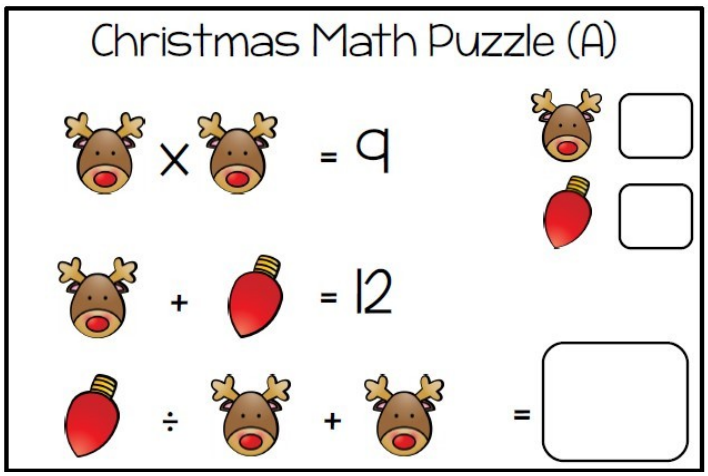
The students use what they know about multiplication, addition, subtraction and division to solve for the missing numbers.

For example, using problem A of the Christmas puzzles:

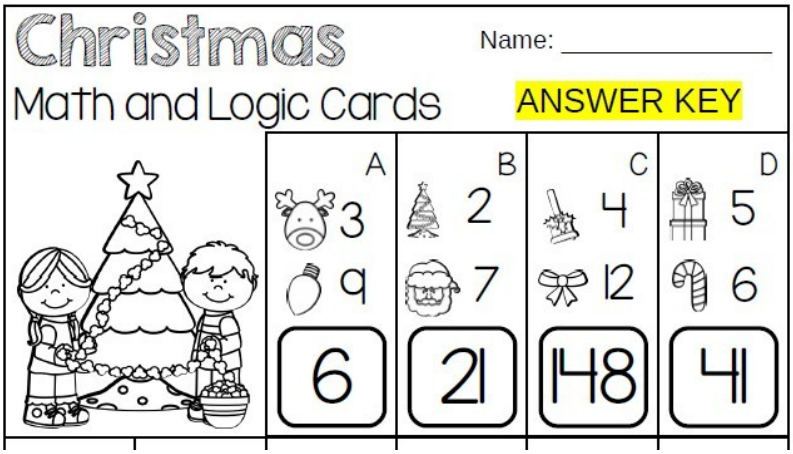


1. reindeer x reindeer = 9, so the reindeer would have to be 3 because 3 x 3 = 9.

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)



Autumn Math Puzzle (A)

 x  = 49  ☐

 +  = 15  ☐

 x  +  = ☐

Autumn Math Puzzle (B)

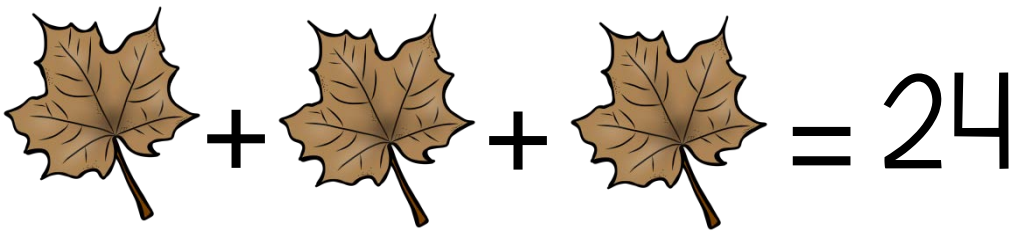
 x  = 16  ☐

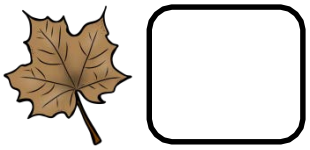
 ☐

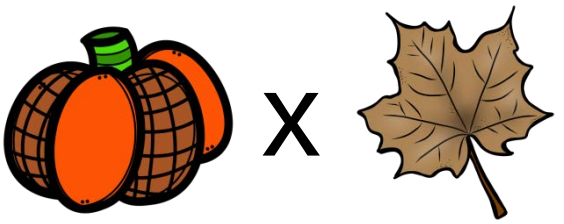
 -  = 6

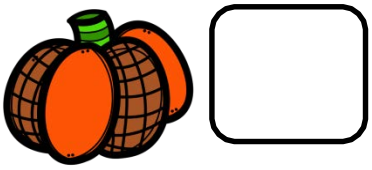
 x  +  = ☐

Autumn Math Puzzle (C)

 = 24



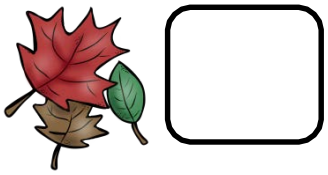
 = 88

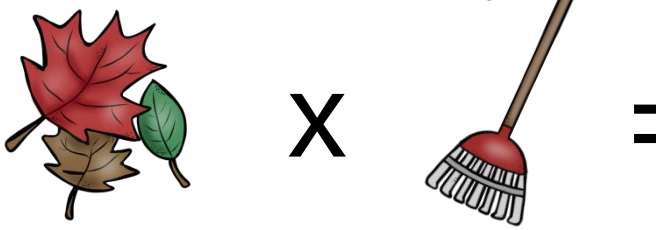


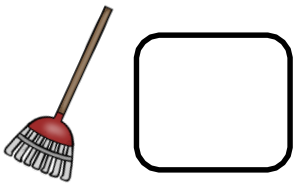
 =

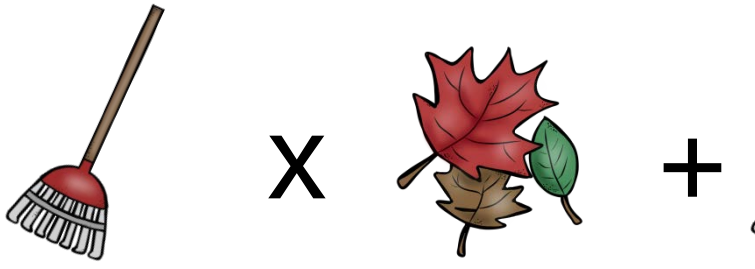
Autumn Math Puzzle (D)

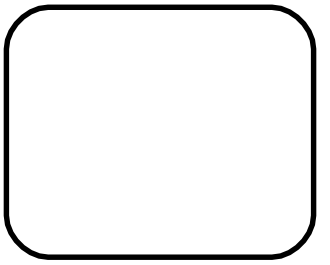
 = 144



 = 48



 =



Autumn Math Puzzle (E)

 x  = 25  ☐

 +  = 17  ☐

 x  +  = ☐

Autumn Math Puzzle (F)

 +  +  = 21  ☐

 ☐

24 ÷  = 2

 x  +  = ☐

Autumn Math Puzzle (G)

 x  = 121

 x  = 100

 x  +  =

Autumn Math Puzzle (H)

 x  = 81

 +  = 14

 x  +  =

Autumn Math Puzzle (I)

 x  = 36

 ☐

 ☐

 +  = 14

 x  +  = ☐

Autumn Math Puzzle (J)

 +  = 18

 ☐

 ☐

 ÷ 3 = 4

 x  +  = ☐

Autumn Math Puzzle (K)

 x  = 144  ☐

 ☐

17 -  = 

 ÷  +  = ☐

Autumn Math Puzzle (L)

 x  = 49  ☐

 ☐

 -  = 3

 x  +  = ☐

Autumn Math Puzzle (M)

 x  = 64  ☐

 -  = 6  ☐

 x  +  = ☐

Autumn Math Puzzle (N)

 +  = 18  ☐

 -  = 6  ☐

 x  +  = ☐

Autumn Math Puzzle (O)

 x  = 16  ☐

 ☐

11 - 6 = 

 x  +  = ☐

Autumn Math Puzzle (P)

 x  = 36  ☐

 ☐

 - 2 = 9

 x  +  = ☐

Autumn

Name: _____

Math and Logic Cards

A

B

C

D

E

F

G

H

I

J

K

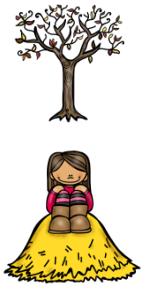
L

M

N

O

P



Autumn

Name: _____

Math and Logic Cards

ANSWER KEY

A	B	C	D
7 + 8 = 71	10 + 4 = 44	8 + 11 = 99	12 + 4 = 52

E	F	G	H	I	J
12 + 5 = 72	7 + 12 = 96	11 + 10 = 120	5 + 9 = 34	8 + 6 = 54	9 + 12 = 153

K	L	M	N	O	P
12 + 5 = 13	7 + 10 = 59	8 + 2 = 66	9 + 3 = 30	4 + 5 = 24	6 + 11 = 127

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