

## Math Choice Board – Week 8

**Choose 3 activities to complete. Send your responses to your Math teacher.**

### Least Common Multiple

Use the digits, 0 through 9, without repeats, to fill in the boxes and make a true statement.

Factor:      

Factor:      

Multiple:         

Source: [www.openmiddle.com](http://www.openmiddle.com)

### Critter Code

What is the value of the last row? **Share your strategy.**

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

$$\text{Panda} \times \text{Monkey} + \text{Monkey} = 56$$

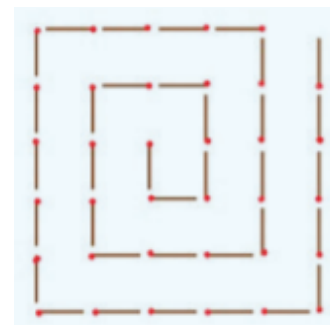
$$\text{Monkey} \times \text{Monkey} + \text{Alien} = 73$$

$$\text{Panda} + \text{Alien} \times \text{Monkey} = ?$$

Source: [solvemoji.com](http://solvemoji.com)

### Brain Teasers

A figure resembling a spiral is shown with 35 matchsticks. **Move 4 matchsticks to form 3 squares.**



Source: [illuminations.nctm.org](http://illuminations.nctm.org)

### Inky Puzzle

Fill in the blank squares so that each row and each column contain all of the digits 1 thru 4.

#### Inky #1

1 -	4 ×	2 /	
		1 -	6 ×
7 +			
	2 -		

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Source: [krazydad.com](http://krazydad.com)

### WOULD YOU RATHER...

#### Candy Data

I got 8 Skittles from the vending machine for 25¢.



I got 62 Skittles from a 61g bag for \$1.16.



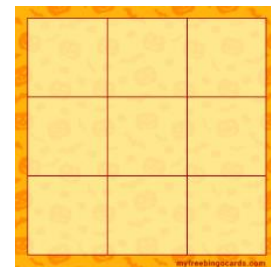
Show your work to support your reasoning.

Source: [wouldyourathermath.com](http://wouldyourathermath.com)

### Prime Magic

Place the numbers 1, 2, 3, ..., 9 – one in each square of the grid so that all the rows and the columns add up to a prime number. **Remember, 1 is NOT a prime number.**

**How many different solutions can you find?**



Source: [nrich.maths.org](http://nrich.maths.org)

### Multiplication Table Puzzle

In the multiplication table below, the row and column headings are all missing, and only of the products in the table are filled in. All the numbers in the table are positive integers.

What is the value for A, B, C, D, and E?

×					
	A	10		20	
	15	B	40		
	18		C	60	
		20		D	24
			56		E

Source: [nrich.maths.org](http://nrich.maths.org)

### Visual Pattern #44

What do you notice? Wonder?

What will the next few figures look like? (Draw an Input/Output Table to show.)

What is the equation?



Source: [visualpatterns.org](http://visualpatterns.org)

### Which One Doesn't Belong?

Which number does not belong and why? What other number does not belong and why? **Repeat as many times as you can.**



Source: [wodb.ca](http://wodb.ca)