

# Dixon Math 8 Newsletter



December/January 2016

Greetings!

We are finishing up our second unit, Thinking with Mathematical Models. If you scholar needs additional help, please check my teacher page for my weekly lunch and afterschool availability. Please contact me if you have any questions. Have a safe and relaxing holidays!

-Ms. Dixon

## Upcoming Units

Say it with Symbols:  
Making Sense of Symbols

Butterflies, Pinwheels, & Wallpaper:  
Symmetry and Transformations

## Important Dates

Marking Period 2:  
11/7/16-1/27/17

Winter break:  
12/24/16-1/2/17

Picture day:  
1/5/17

Early dismissal @ 11:15am:  
1/10/17



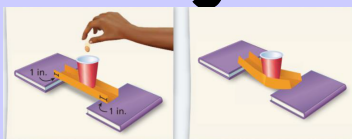
## Thinking with Mathematical Models Highlights

- I can extend my understanding of and improve my skills in working with linear functions and equations.
- I can represent experimental data using mathematical models.
- I can analyze and measure the accuracy of a linear model for a scatter plot.
- I can understand the characteristics of relations and functions and use these to justify if a relation is a function.

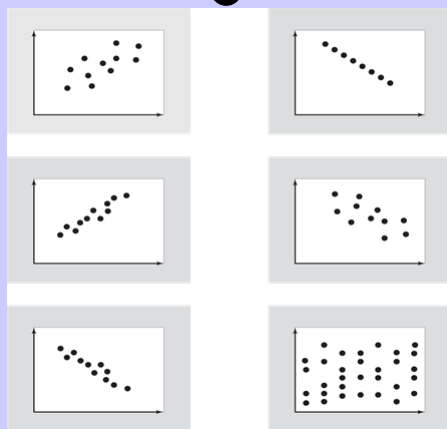


Ask your scholar to describe the work we did...

### Investigation 1



### Investigation 4



describe the correlation of each scatter plot.

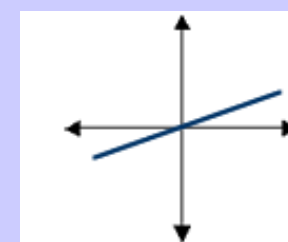
### Investigation 5

	Prefer Wood	Prefer Steel	Total
Age ≤ 20 years	45	60	
Age > 20 years	15	20	
Total			

	Water park	Arcade	Rides
Boys	8	4	12
Girls	8	2	6

- Do you think boys and girls have different party preferences?
- What evidence could you give as support?

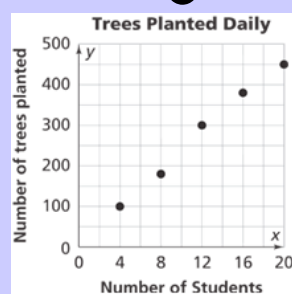
### Functions



X	Y
1	2
2	4
1	5
3	8
4	4
5	10

Which is a function?  
Which is not a function?  
How do you know?

### Investigation 2



want to a hw pass? or points on a quiz? save up your "i see you" tickets!

I SEE YOU...

Being tenacious  
Thinking purposefully  
Advocating for self and others



Please make sure your scholar has a pair of headphones They will need them for the activities we do on the Chromebooks during class.

