

# Colwell & Dixon Math 8 Newsletter



October 2016

Greetings!

We are Moving Straight Ahead through our first unit. Scholars have been receiving grade reports in support. Have them prioritizing making corrections to assessments. Please contact us if you have any questions.

-Mr. Colwell and Ms. Dixon

## Upcoming Units

Thinking With Mathematical Models:  
Linear and Non-Linear relationships

Butterflies, Pinwheels, & Wallpaper:  
Symmetry and Transformations

## Important Dates

Marking Period 1:  
9/7/16-11/4/16



**IMPORTANT**

**\*Moving Straight Ahead Unit Test\***  
Friday, 10/28

## Moving Straight Ahead Highlights:



- I can develop my understanding of linear relationships through contextual situations, tables, graphs, or an equation.

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

### Investigation 2



### Investigation 3

4.  $2(x+4) = 16$

$8 \otimes \otimes = 8 \otimes \otimes$

$2(4+4) = 16$   
check

$\frac{2p = 8c}{2} \quad \frac{2}{2}$   
 $X = 4$

*Geneva*

$6x + 15 = 4x + 19$

$-4x \quad -4x$   
 $2x + 15 = 19$

$-15 \quad -15$   
 $2x = 4$

$\frac{2x}{2} = \frac{4}{2}$   
 $x = 2$

$2p = 4c$   
 $p = 2c$

### Investigation 4



Parents/Guardians:  
help your scholar measure the rise (vertical) and the run (horizontal) part of a step at home in inches. We will use this information to explore steepness and slope.

### Investigation 1

Name	Time (s)	Distance (m)	Unit Rate (m/sec)
Daniel	8.87s	10m	$\frac{10m}{8.87s} = 2.5$ meters per sec.
Basheer	8.08s	10m	$\frac{10m}{8.08s} = 1.2$ meters per sec.
Kiran	5.81s	10m	$\frac{10m}{5.81s} = 1.7$ meters per sec.
Zhan	7.43s	10m	$\frac{10m}{7.43s} = 1.3$ meters per sec.
Chyn	4.31s	10m	$\frac{10m}{4.31s} = 2.3$ meters per sec.
Isaiah	4.00s	10m	$\frac{10m}{4.00s} = 2.5$ meters per sec.
Hasandra	4.56s	10m	$\frac{10m}{4.56s} = 2.2$ meters per sec.
Eric	4.56s	5.81m	$\frac{5.81m}{4.56s} = 1.27$ meters per sec.
Elsa	5.12s	10m	$\frac{10m}{5.12s} = 1.95$ meters per sec.



Please make sure your scholar has a folder to keep Math items in so that they can share what we are doing with you.