

Matching Activity – Linear Equations, Graphs, Tables and Stories.

There are 26 cards. 12 of them have numbers and 14 of them have letters. Your mission, should you chose to accept it, is to match the numbered cards to the lettered cards. You may use paper and pencil, but you should not need to use technology. Here's the kicker: *There will be two left over letter cards with no matches.* Record your matches below as you work and staple any scratch paper you use to the back of this sheet.

Number Card	Letter Card
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	

The two extra cards are: _____ and _____

The expert(s) who worked on this awesome activity: _____.

Matching Activity – Linear Equations, Graphs, Tables and Stories.

My 2014-2015 student teacher, Kelsey Atkinson, wrote this activity for algebra one students in 2014 and gave me permission to type it up and post it on TpT so everyone could access it.

Teacher Directions: Figure out how many sets of cards you will need – I usually do this as a cooperative pairs activity, so if my biggest class is 32 students, I make 16 sets. Copy the 26 cards on brightly colored card stock paper (ideally), laminate, cut them up, and put them in Ziploc baggies. Make sure each pair of students gets a set of cards, paper and pencil (maybe even graph paper), and a sheet on which to record answers.

Student Directions:

There are 26 cards. 12 of them have numbers and 14 of them have letters. Your mission, should you chose to accept it, is to match the numbered cards to the lettered cards. You may use paper and pencil, but you should not need to use technology. Here's the kicker: *There will be two left over letter cards with no matches.* Record your matches here as you work:

Here are the answers!

Number Card	Letter Card
1	M
2	I
3	P
4	H
5	E
6	K
7	L
8	D
9	B
10	C
11	F
12	G

The two extra cards are: ____J____ and ____N____

CARD 1

Ms. Atkinson gives her students 1 homework problem during the first week of school, then adds 4 more problems every week after that. Let $x=0$ be the first week of school and y =the number of homework problems.

CARD 2

A line contains the points (1, 5) and (-3, 1).

CARD 3

$$y = \frac{1}{4}x - 1$$

CARD 4

$$y = 3x - 1$$

CARD 5

This line has a slope of $-\frac{4}{3}$ and passes through the point $(-3, 3)$.

CARD 6

$$y = -\frac{1}{3}x + 1$$

CARD 7

This line has a slope of zero and a y-intercept of 4.

CARD 8

$$y = \frac{2}{3}x + 1$$

CARD 9

This linear function has a slope of 3 and a y-intercept of 1.

CARD 10

This line has a y-intercept of 6 and an x-intercept of 9.

CARD 11

$$x = -2$$

CARD 12

This line has a slope of -7 and an x-intercept of $\frac{1}{14}$.

CARD B

$$y = 3x + 1$$

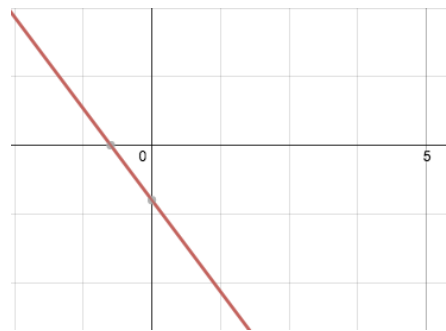
CARD C

$$2x + 3y = 18$$

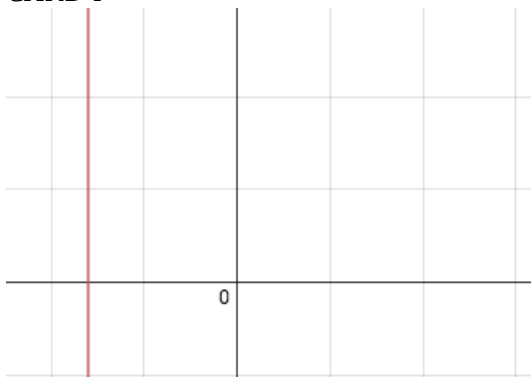
CARD D

x	-9	-6	-3	0	3
y	-5	-3	-1	1	3

CARD E



CARD F



CARD G

$$y = \frac{1}{2} - 7x$$

CARD H

x	-2	-1	0	1	2
y	-7	-4	-1	2	5

CARD I

$$y = x + 4$$

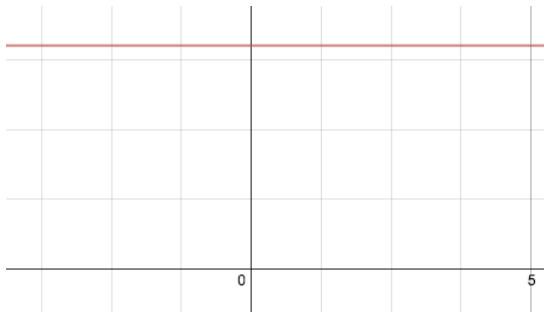
CARD J

$$3x + 2y = 18$$

CARD K

x	-6	-3	0	3	6	9
y	3	2	1	0	-1	-2

CARD L



CARD M

$$y = 4x + 1$$

CARD N



CARD P

