



Math in Motion: Moving for Learning

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Research

- Movement integrates and anchors new information and experience into our neural networks.
(Hannafor, C., 2005)
- Too much sitting results in decreased circulation and a subsequent decrease in concentration.
(Ratey, J., 2013)
- Movement increases heart rate and circulation, stimulates the release of beneficial chemicals, and counteracts excessive sitting.
(Jensen, E., 2000)
- Moving while learning increases learning.
(Hannafor, C., 2005)
- Movement allows cognitive maturation.
(Jensen, E., 2000)



Memory is retrieved better when learned through movement. (Jensen, E., 2009)







10 ft x 25 ft
\$10.98


$$x^3$$

$$x \cdot x \cdot x$$

$$x^2$$

$$x \cdot x$$

$$x^1$$

$$x$$

$$x^0$$

$$1$$



	$x \cdot x \cdot x$
	$x \cdot x$
	x
	1



	$x \cdot x \cdot x$
x^2	
x^1	
	1



$$11 + 2$$

0	1	2	3	4	5
6	7	8	9	10	11
12	13	14	15	16	17
18	19	20	21	22	23
24	+	-	x	÷	=

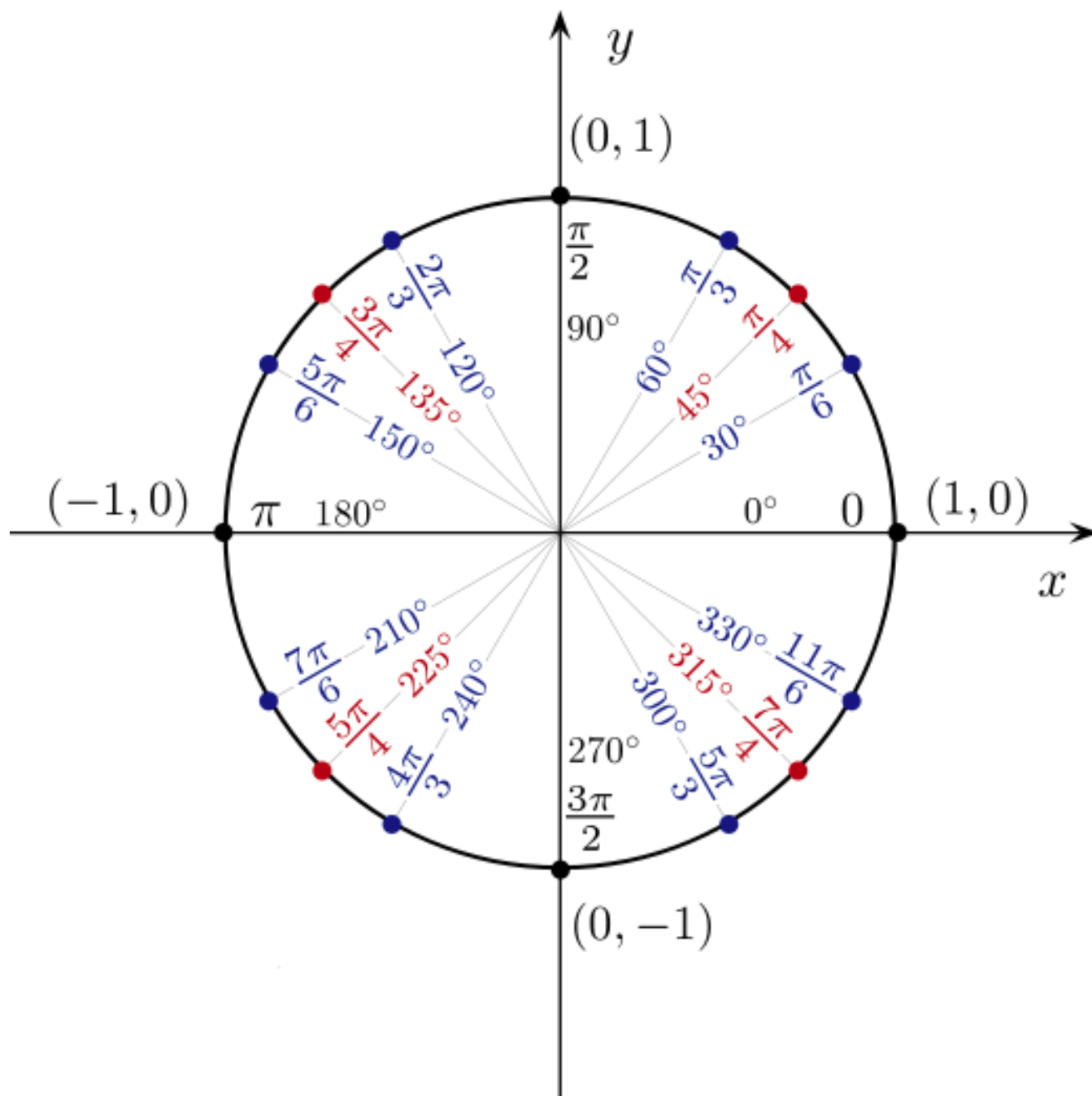
A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P	Q	R
S	T	U	V	W	X
Y	Z		Start		End

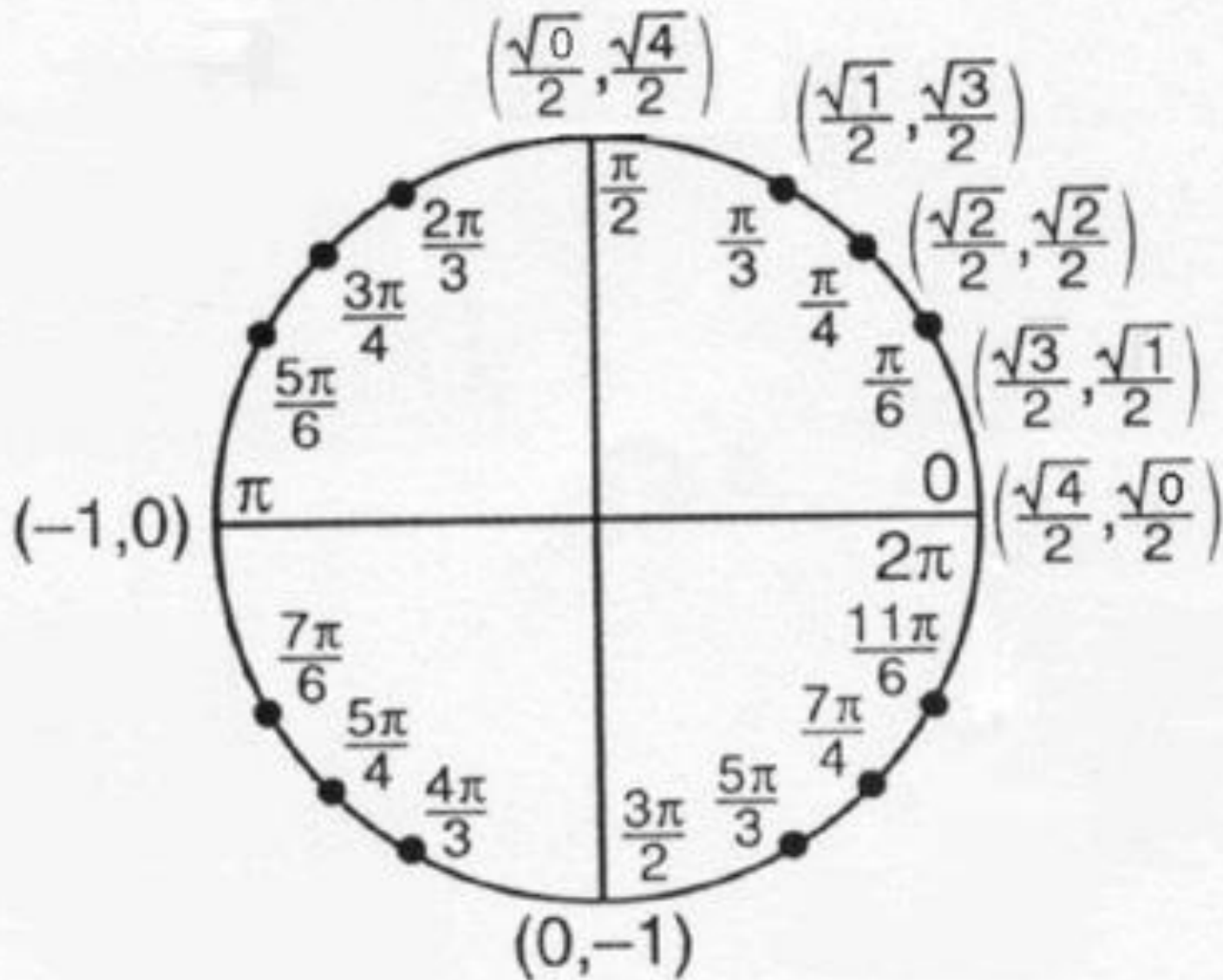
A	B	C	D	E	F
G	H	I	J	K	L
M	N	O	P	Q	R
S	T	U	V	W	X
Y	Z		Start		End

Diagram illustrating a path from Start to End using the alphabet grid. The path is marked by arrows:

- Start (D4) → C4
- C4 → B4
- B4 → A4
- A4 → T3
- T3 → V4
- V4 → End (F5)









What content ideas do you have for floor mats?

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- Dance, Dance Geometry video
 - <http://www.teachertube.com/video/dance-dance-geometry-21031>

- 
- Angle Pairs
 - Locating Points
 - Integer Operations





Wednesday, February 26, 2014

Mat

8+8 6+6 7+7 9+6

8+8

Spa
Miguel
Erick
Lionel
Leandro
Valeria
Erick
Carlos

Art Club
Bring
glue, scissors and
construction paper

Betsy I



- 
- Identifying Functions
 - Square Roots
 - Adding and Subtracting Integers
 - Vertebrates and Invertebrates

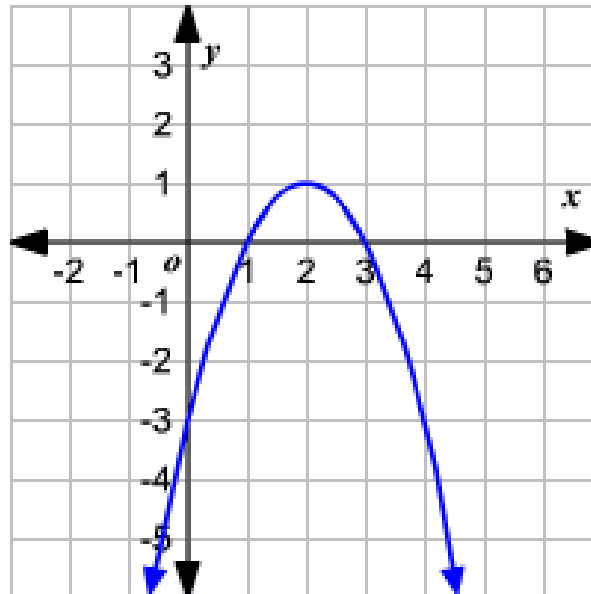


Creating a Math Motion Activity

- Start with a blank slide.
- Add images or text boxes.
- Add animation. Adjust timing to meet the needs of the students.
- Add music.

Linear

Quadratic



$$5 \times 3$$



Thank you!

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