## Lesson Title: First Quadrant Points and Graphing

| Unit Learning Target (Standard/Performance Expectation(s)) |
| :---: | :---: | :---: |
| Graph and identify points in the first quadrant of the coordinate plane using ordered pairs. |
| CCSSM 5.G.1\&2 |

Building Block or Lesson Learning Target:
Identify and locate points in the first quadrant and determine proper labels for the data being displayed.

## Previous Lesson Learning Target:

Place and name axes on a Cartesian Grid system and label the four quadrants.

Target Introduction/ Thinking Question *
How can we label points on graph paper so everyone knows where they are located?
Lesson Progression (Flow) with Talk-Structures (Student Discourse) $\quad$ Key terms for this lesson
Review vocabulary from previous graphing lessons
Return the attention to the overall Unit Learning Target (see above)
Ask "What are Ordered Pairs?" "How do we write Ordered Pairs?" "Why do we use (, )?"
"What does the prefix 'quad' mean?" "What are the names of the two axes?"
Review the numbering system on the $x$ - and $y$-axes. $(5,2)(3,4)$
Using the graph of the first quadrant, talk with your partner about where to graph .....
Demonstrate points on the first quadrant and have the students make a list of those points. Check with the other students at your pod and fix any points that are written incorrectly.

Students practice placing popcorn on the dictated points of their graph paper.
Point to some graph points and read some correctly and some incorrectly to check for student accuracy

## Lesson Closure

Plot one of the 8 figures on the plotting worksheet (coordinates connect)

Student Success Criteria:
Students can correctly place popcorn kernels on specified points of the $1^{\text {st }}$ quadrant graph.
$x$-axis, $y$-axis, origin,
Formative Task or Question*
quadrant, coordinates,
Cartesian Graph,
ordered pair, points
intersection, positive,
negative

Forms of Student Discourse to include:
Student to teacher
Student to student
Small Group Discussion
Large Group Discussion

## Exit Task*

Fill out the Exit Pass card. What I Learned.

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[^0]:    * Opportunity for formative assessment

