**Mathematics Instructional Design, Delivery and Assessment**

**High School**

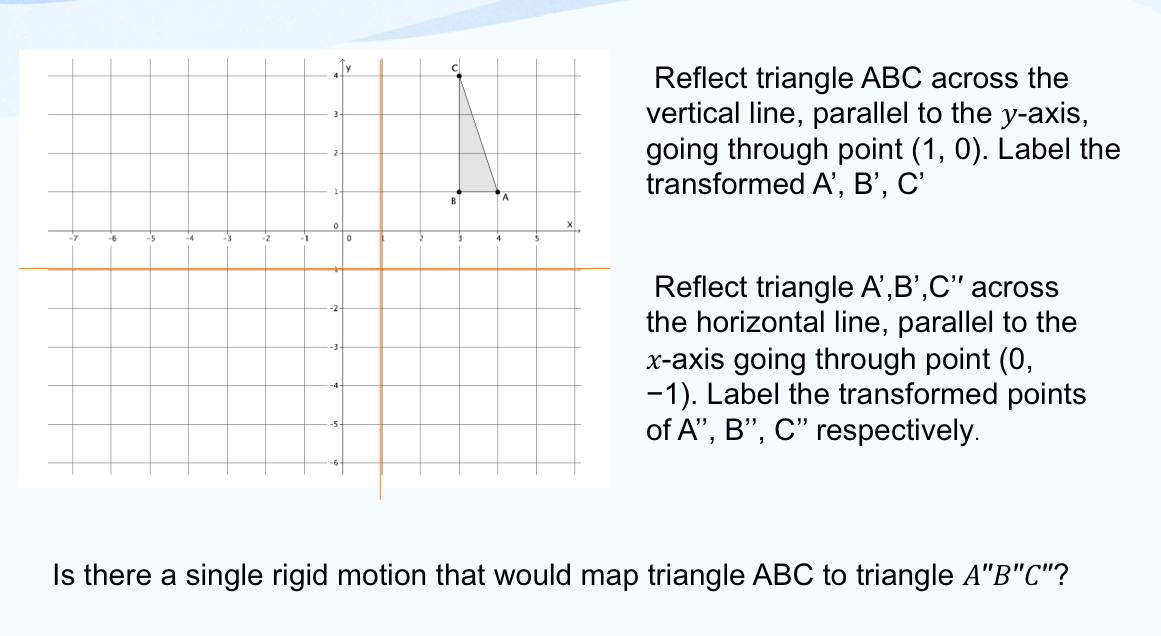
**ISBE Foundational Services**

**Math Talks:**

* What are some components of a Math Talk?
* How do you do a Math Talk?

**Illinois Teach and Talk**

* [www.ilteachandtalk.org](http://www.ilteachandtalk.org)



* Take some time to review and then choose a standard and a PowerPoint slideshow
* Pick someone at your table’s to do.

**Resources:**

* PARCC Partnership Resource Center – prc.parcconline.org (Code IL1818)
* Jo Boaler video - <https://www.youtube.com/watch?v=3icoSeGqQtY>
* Grade 5 Re-engagement Lesson <http://www.insidemathematics.org/classroom-videos/formative-re-engaging-lessons/5th-grade-math-interpreting-fractions/lesson-part-1>
* High School Number Talk: <https://www.youtube.com/watch?v=59T97wPANzU>
* Implementation Guides <http://www.ilclassroomsinaction.org/implementation-guides-for-math.html>
* Number Talks – Helping Children Build Mental Math and Computation Strategies (K-5), by Sherry Parrish
* Making Number Talks Matter – Developing Mathematical Practices and Deepening Understanding, Grades 4-10, by Cathy Humphreys & Ruth Parker

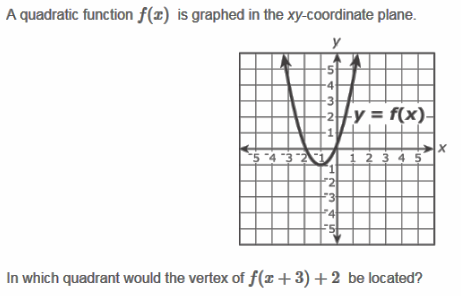
**Planning a Number Talk –**

Adapted from Appendix A Making Math Talks Matter

By Cathy Humphreys & Ruth Parker

|  |  |
| --- | --- |
| Anticipate different strategies | Recording methods |
| Questions for students | Reflections |

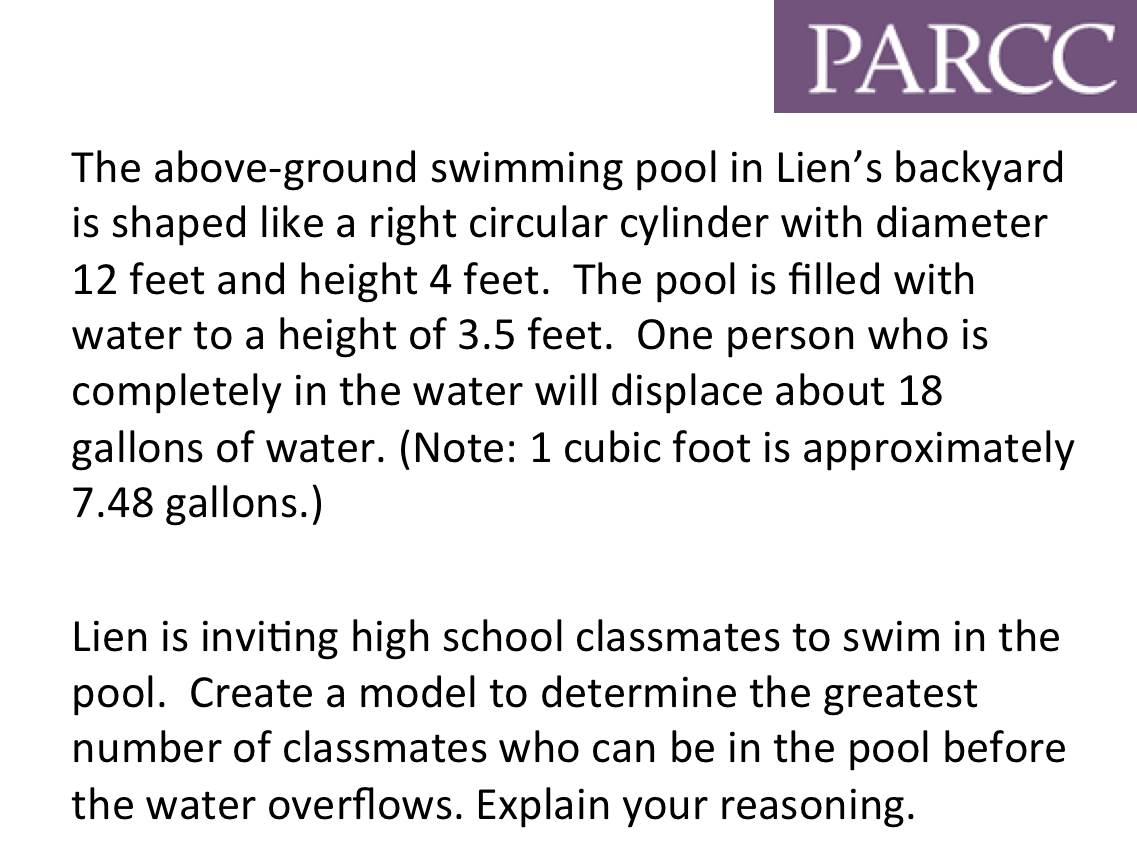
**Number Talks (Algebra 1 VF640492): Notes:**



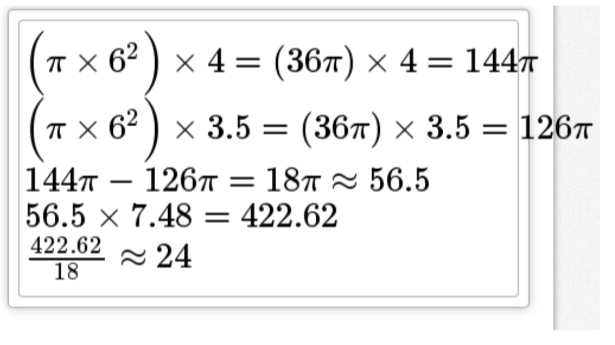
Create your own Math Talk Based on a PARCC Problem and an upcoming lesson in your class.

* + Share with a partner
  + Make sure all components are present.
  + Think about, reflect or practice how you will facilitate this problem.

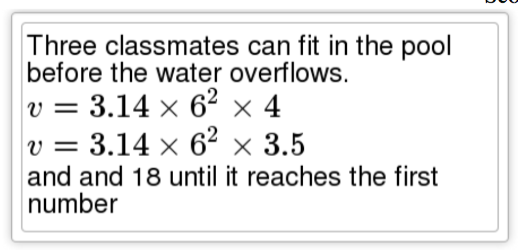
**Re-Engagement Lesson (Geometry VH003506): Notes:**



Student 1:



Student 2:



Create your own Re-engagement Lesson based on a PARCC Problem and an upcoming lesson in your classroom:

* Share with a partner
* Think about, reflect or practice how you will facilitate this problem