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| Strand- Geometry | | | Grade  8 | **Assessment FOR Learning Observation & Interview** | | | Date  March 2015 |
| **Mathematics Lesson Task/Problem-**  **Learning Goal- We are learning data can be REpresented in many ways.**  Lesson from TIPS4RM Unit 4, Lesson 1, Retrieved from [www.edugains.ca](http://www.edugains.ca)  **Activation**- Have students draw two intersecting lines.  Use another colour to connect the lines to create a quadrilateral.  Have students turn and talk to a partner and discuss many different ways to describe their shape.    **During-** With math partner, students create and describe quadrilaterals.  **After**- Math Congress- Select 2/3 work samples that draw out different properties including diagonals  Create Highlights/Summary Chart- see reverse  **Individual Practice-** Individually, in math notebooks, TIPS4RM 4.1.3 | | | | Learning Goal/Curriculum Expectations  Learning Goal: We are learning to construct and classify quadrilaterals by their **diagonals.**  (post and share with students prior to lesson)  – sort and classify quadrilaterals by geometric properties, including those based on diagonals, through investigation using a variety of tools (e.g., concrete materials, dynamic geometry software) (Sample problem: Which quadrilaterals have diagonals that bisect each other perpendicularly?) | | | |
| Students | Math Thinking Notes: | | | | |  | |
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| Questions About Students’ Mathematics Learning   * How is this solution the same as someone else’s solution? * How are these two solutions different? * What could have been done in this solution to help them become unstuck * Can someone summarize this group’s method of solving the problem? | | | | | Students’ Mathematical Errors | | |
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| What mathematics did the students learn? Explain your ideas using the evidence you gathered. | What mathematics for teaching did you learn today? |

**Continue your professional learning … co-teaching, learning mathematics for teaching, teacher inquiry/study …** View The Literacy and Numeracy Secretariat webcasts at http://www.curriculum.org (Archived Webcasts): November 2005 – Learning Mathematics for Teaching; March 2007 – Making Mathematics Accessible for All Students; June 2007 – Coaching for Student Success in Mathematics; March 2008 – High Yield Strategies for Improving Mathematics Instruction and Student Learning