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| Strand- Geometry | Grade8 | **Assessment FOR Learning Observation & Interview** | DateMarch 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