

## Indicators of Success for a Collaborative Mathematics Classroom

In an effective collaborative mathematics classroom, students do the following:

- Students share their mathematical ideas clearly with one another, the class, and the teacher, using a variety of approaches such as manipulatives, writing, pictures, and discussion.
- Students listen attentively to each other and can clearly explain what they have heard in their own words.
- Students negotiate any differences in mathematical thinking in a collegial way.
- Students pose questions that promote and support further mathematical thinking.
- Students take turns and allow each member to speak and contribute to the group process.
- Students reflect on the strategies they use to work collaboratively with others.


# Observation Checklist for a Collaborative Mathematics Classroom

<b>Teacher Comments</b>							
Reflects on the strategies he/she uses to work collaboratively							
Takes turns and allows each member to speak and contribute							
Poses questions that promote further thinking							
Negotiates differences in a collegial way							
Listens attentively and can explain what he/she has heard							
Shares mathematical ideas clearly using a variety of approaches							
<b>Student Name</b>							

R = Rarely S = Sometimes F = Frequently C = Consistently

## Indicators of Success for Descriptive Feedback

- Do I use the indicators of success (for the material being assessed) as a guide?
- Do I provide suggestions and/or comments that can help the author(s) improve his/her/their work?
- Do I include examples from the work in my feedback?
- Do I point out what is good and why it is good?
- Do I explain what needs to be improved and why?
- Do I pose questions or make comments that can help the author(s) improve his/her/their mathematical thinking/ideas?


*Math Expressions: Developing Student Thinking and Problem Solving Through Communication*  
 Copyright © 2013 Pearson Canada Inc.  
This page may have been modified from its original.



---

## Indicators of Success for Descriptive Feedback

- Do I use the indicators of success (for the material being assessed) as a guide?
- Do I provide suggestions and/or comments that can help the author(s) improve his/her/their work?
- Do I include examples from the work in my feedback?
- Do I point out what is good and why it is good?
- Do I explain what needs to be improved and why?
- Do I pose questions or make comments that can help the author(s) improve his/her/their mathematical thinking/ideas?

*Math Expressions: Developing Student Thinking and Problem Solving Through Communication*  
 Copyright © 2013 Pearson Canada Inc.  
This page may have been modified from its original.