

## CC2 6.1.3: 6-25 Student eTool (CPM)

Click on the link below to access the eTool.

[6-25 Student eTool \(CPM\)](#)

Use this eTool to view the Expression Comparison for Mat A and Mat B.

CPM Tiles

6-25 Student eTool

Maria and Garth were playing a game with the algebra tiles. They each grabbed a handful of tiles and put them on the Expression Comparison Mat at right to see whose side had greater value. pic

Maria said, "I have Mat A and my side has more value." Garth, who had Mat B, disagreed with her.

a. Write expressions for Mat A and Mat B.

b. Work with your team to simplify the expressions on the Expression Comparison Mat while carefully recording your work for each step on your paper with symbols. Can you tell whose side is greater? Why or why not?

c. With your team, find at least four values for  $x$  that would make the expression on Maria's side (Mat A) greater than the expression on Garth's side (Mat B). Be prepared to share your values with the class.

d. Any value for  $x$  that makes Mat A greater than Mat B is a solution to the inequality  $2x + 3 + (-1) > x + 5$ . This is read, "Two  $x$  plus three plus negative one is greater than  $x$  plus five."

Share your solutions with another team and see if you have the same solutions as the other team does.

Mat A

Mat B