

CC1 6.2.2: 6-82 & 6-83 Student eTools (CPM)

Click the link on below for the 6-82 Student eTool (CPM).

[6-82 Student eTool \(CPM\)](#)

[6-83a Student eTool \(CPM\)](#)

[6-83b Student eTool \(CPM\)](#)

[6-83c Student eTool \(CPM\)](#)

1. 6-82 Student eTool (CPM):

The screenshot shows the "CPM Tiles" eTool interface. On the left, there is a sidebar with the title "CC1 6-82 Student eTool". Below the title, it says "Use the tiles shown at right to help solve the problem." and lists two instructions: "Use mathematical symbols (numbers, variables, and operations) to record the area of this collection of tiles." and "Write at least three different algebraic expressions that represent the area of this tile collection." Below these instructions are sections for "Backgrounds" and "Algebra Tiles". The "Algebra Tiles" section shows three categories: "x" (a blue vertical rectangle), "x²" (a blue square), "y" (a purple vertical rectangle), "y²" (a purple square), "1" (a small blue square), and "x · y" (a green rectangle). On the right, the workspace displays a collection of these tiles arranged in a pattern. The tiles include two large blue squares labeled x^2 , several blue rectangles labeled x , and several small blue squares labeled 1 . The arrangement suggests a complex algebraic expression representing the total area.

2. 6-83a Student eTool (CPM):

CC1 6-83a Student eTool

Use the tiles shown at right to solve the problem.

- Use mathematical symbols (numbers, variables, and operations) to record the area of this collection of tiles.
- Write at least three different algebraic expressions that represent the area of this tile collection.

► Backgrounds

▼ Algebra Tiles

Label: x

x x^2

Label: y

y y^2

1 $x \cdot y$

3. 6-83b Student eTool (CPM):

CC1 6-83b Student eTool

Use the tiles shown at right to solve the problem.

- Use mathematical symbols (numbers, variables, and operations) to record the area of this collection of tiles.
- Write at least three different algebraic expressions that represent the area of this tile collection.

► Backgrounds

▼ Algebra Tiles

Label: x

x x^2

Label: y

y y^2

1 $x \cdot y$

4. 6-83c Student eTool (CPM):

CPM Tiles

CC1 6-83c Student eTool
 Use the tiles shown at right to solve the problem.

 • Use mathematical symbols (numbers, variables, and operations) to record the area of this collection of tiles.

 • Write at least three different algebraic expressions that represent the area of this tile collection.
 ▶ Backgrounds
 ▼ Algebra Tiles
 Label: x

 Label: y