Card Sort: Representations of Inequalities **Situation** 

- A jar contains only nickels and dimes.
- There is no more than \$6 in the jar.
- x represents the number of nickels and y represents the number of dimes in the jar.

Card Sort: Representations of Inequalities

## situation

- The length of a rectangle is represented by x and its width is represented by y.
- The perimeter of the rectangle is greater than 240 units.

Card Sort: Representations of Inequalities inequality

$$y \ge 100$$

Card Sort: Representations of Inequalities inequality

$$4x + 3y \ge 240$$

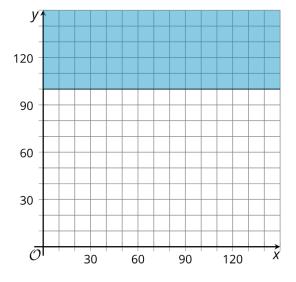
Card Sort: Representations of Inequalities a Solution

(80, 30)

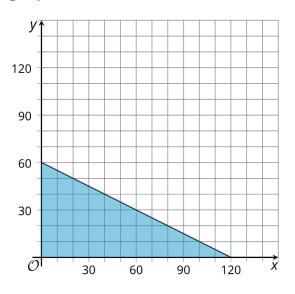
Card Sort: Representations of Inequalities a Solution

(20, 50)

Card Sort: Representations of Inequalities  $\operatorname{graph}$ 



Card Sort: Representations of Inequalities graph



Card Sort: Representations of Inequalities **Situation** 

- A seller at the Saturday market sells honey and jam. He wants to make at least \$240 profit this Saturday.
- He makes \$4 profit for each jar of honey he sells and \$3 profit for each jar of jam.
- x represents the number of jars of honey he sells and y represents the number of jars of jam.

Card Sort: Representations of Inequalities **Situation** 

- A school is organizing a service trip.
  Students and teachers can sign up to go.
- x represents the number of teachers who sign up and y represents the number of students.
- The trip will only take place if at least 100 students sign up.

Card Sort: Representations of Inequalities inequality

$$0.05x + 0.10y \le 6.00$$

Card Sort: Representations of Inequalities inequality

$$2x + 2y > 240$$

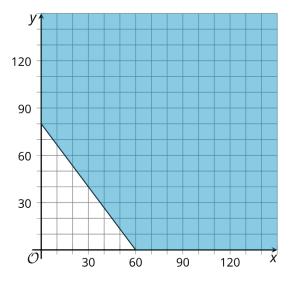
Card Sort: Representations of Inequalities a **Solution** 

(80, 50)

Card Sort: Representations of Inequalities a **SOLUTION** 

(20, 100)

Card Sort: Representations of Inequalities graph



Card Sort: Representations of Inequalities graph

