

Possible Solutions

Southwest Airlines flew 35,678 passengers on their planes last week. The planes used hold 210 passengers. Write an inequality that could be used to determine the minimum number of flights the airline must have used last week.

- Since the airline flew 35,678 passengers last week, we know that the result must give us at least that amount.
- For this problem, students should create an inequality that will yield this result. If they know that each plane holds at maximum 210 passengers, students will use this to determine the minimum number of flights.
- To set up the inequality, they must think of the total passengers and the number held by each plane.
- If x = the number of planes needed, then the inequality is $210x \geq 35,678$.