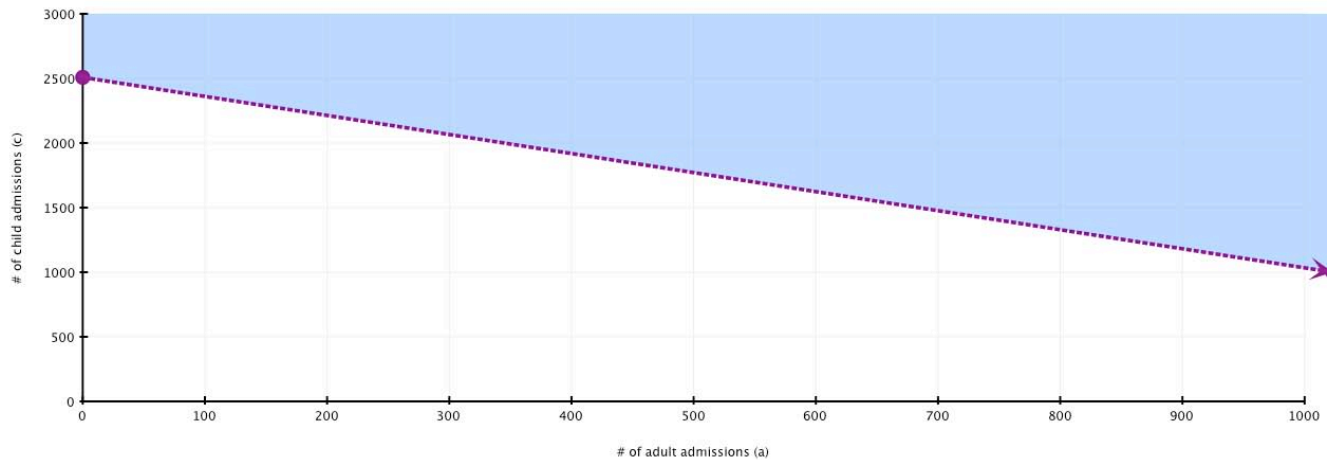


1. Carmen is starting a job as salesperson at a jewelry store. The jewelry store offers her two salary plans. One plan includes a monthly base pay of \$300 plus 10% commission on her sales. The second plan is a monthly salary of \$1200. What must the amount of sales be for Carmen to make more money with the first plan?

2. Admission to a local summer festival costs \$6 for adults and \$4 for children. Organizers want to know how many adult and children admissions are needed for income from admissions to exceed \$10,000. Interpret the graph below in terms of this situation? State three points that satisfy the inequality.

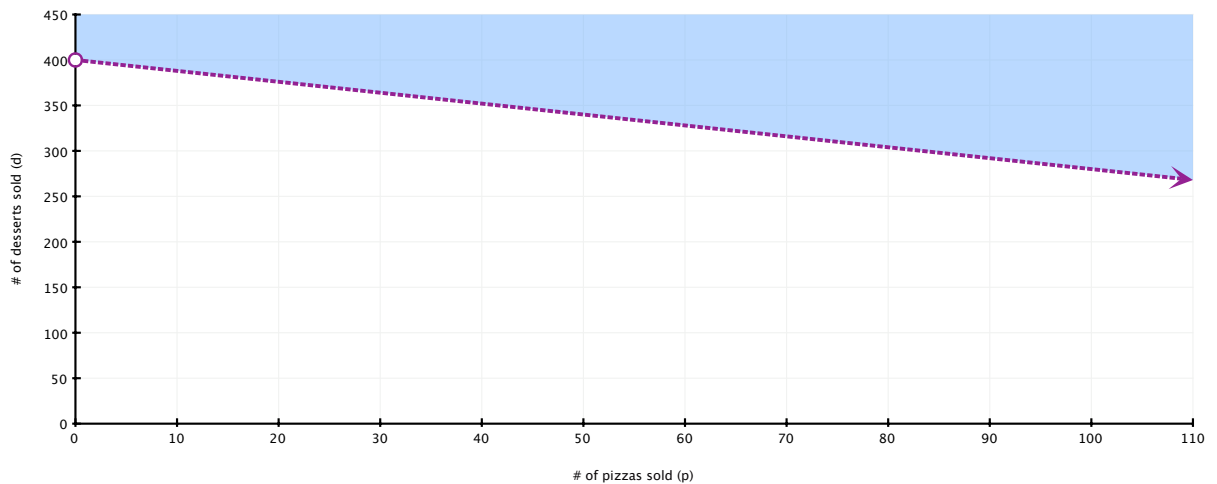
Inequality $6a + 4c > 10,000$ where a is adult admission (in dollars) and c is child admission (in dollars)



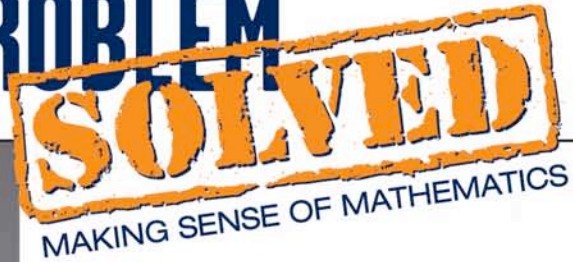
Graph Interpretation

3. Price High School is planning to partner with Papa Paul's Pizza Parlor and Polly's Desserts to raise money for their school. Each pizza sold raises \$3 and each dessert raises \$2.50 for the school. The school hopes to raise \$1000. What does the graph below mean in this situation? State three points that satisfy the inequality.

Inequality $3p + 2.50d > 1000$ where p represents number of pizzas sold and d represents the number of desserts sold.

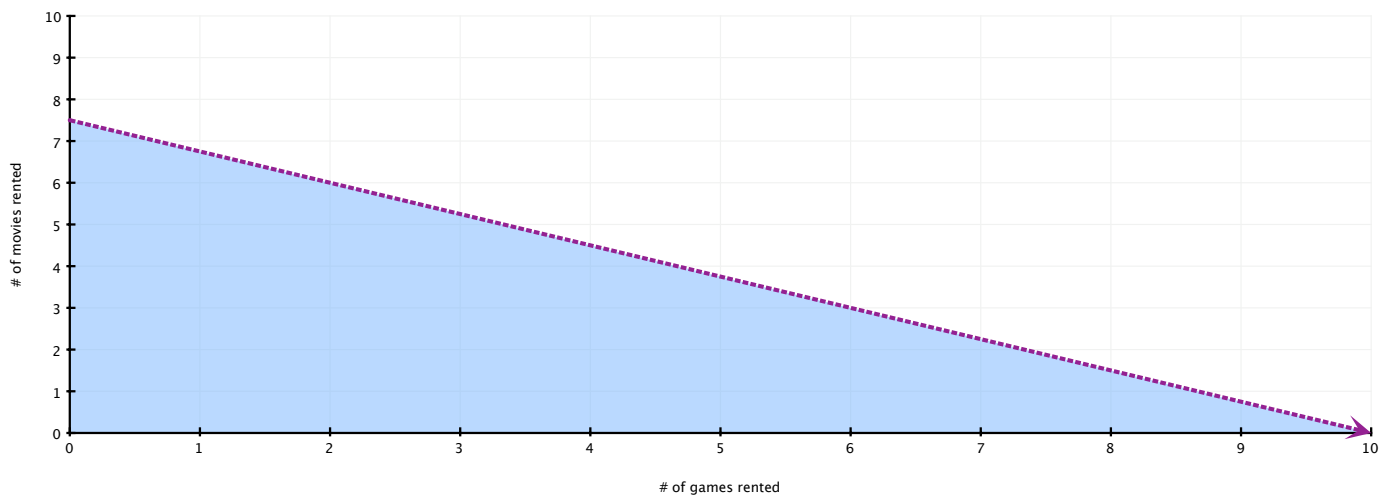


Graph Interpretation



4. The Hollywood Hits video store rents both games and movies. Each game rents for \$1.50 and each movie rents for \$2. Charlie wants to spend less than \$15. What does the graph below mean in this situation? State three points that satisfy the inequality.

Inequality $1.5g + 2m < 15$ where g represents number of games rented and m represents the number of movies rented



Graph Interpretation