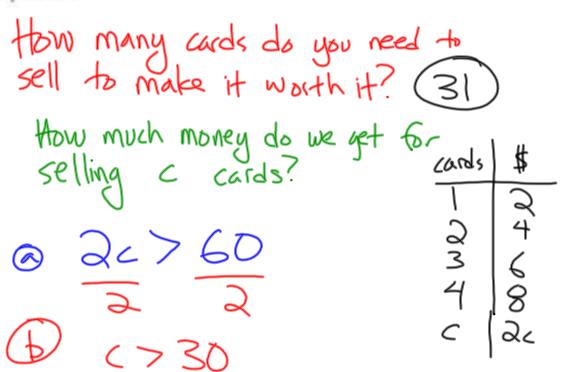


Greeting Cards Your school club is making greeting cards to raise money for a trip. You spend \$60 on supplies and plan to sell the cards for \$2 each.

- a. Write an inequality that gives the possible numbers c of cards you need to sell in order for the profit to be positive.
- b. What are the possible numbers of cards you need to sell in order for the profit to be positive?



$$9 > \frac{3}{4}(8x - 12) > -15$$

$$9 > \frac{3}{4}(8x - 12) > -15$$

$$9 > \frac{3}{4}(8x - 12) \text{ and } \frac{3}{4}(8x - 12) > -15$$

$$9 > \frac{34}{4}x - \frac{36}{4} > -15$$

$$9 > 6x - 9 + 9$$

$$18 > 6x - 9 + 9$$

$$18 > 6x - 9 - 15 + 9$$

$$49 + 9 + 9$$

$$6x > -6 - 6$$

$$x > -1$$

$$x > -1$$