Name_____Date_____

Trampoline Party

For your birthday, you want to take a group of friends to an indoor trampoline center. There are two trampoline parks available on your date.

Pricing Information:

Sky High: $50 for up to 10 people and $5 per person after that.

Jump it Up: $70 for a party set up fee and $2 per person.

1. Which trampoline center would you choose for the following number of friends. Show all work and give justification for your solutions, including any representations you used.

   a. 15 friends

   b. 20 friends

   c. 25 friends

2. What is the minimum number of friends for which Jump it Up is the less expensive choice. Show all work and give justification for your solutions, including any representations you used.

3. Use the pricing information given to model algebraically the situation where Jump it Up is less expensive than Sky High.