1 The Art and History Museum offers a family discount card for a

donation of $44.

The table shows the price per person with and without the discount card.

	Price without Discount Card	Price with Discount Card
Child's Ticket (12 & Under)	$10	$8
Adult's Ticket	$15	$12

For what number of visits will the total cost of the visits (including the price of the discount card) be less expensive for a family of 2 adults and 1 child if they have purchased the discount card?

4. Enrique plans a diet for his dog, River. River consumes between 510 and 540 calories per day. There are 320 calories in one serving of dog food. River

eats $1\frac{1}{2}$ servings of dog food per day.

Suppose River has new treats that are 10 calories each. How many of the new treats can she have and remain in her calorie range?

5. Fatima plans to spend at least $15 and at most $20 on sketch pads and pencils. If she buys 2 sketch pads, how many pencils can she buy while staying in her price range?

Sketch Pad
$3.25 each

Pencil
$0.75 each

6. The telephone company offers two billing plans for local calls. Plan 1 charges $30 per month for unlimited calls and Plan 2 charges $18 per month plus $0.06 per call.

a. Use an inequality to find the number of monthly calls for which Plan 1 is more economical than Plan 2.

7. Mark and Heather Starr are celebrating their 25th anniversary by having a reception at a local reception hall. They have budgeted $3,000 for their reception. If the reception hall charges a $100 cleanup fee plus $33 per person, find the greatest number of people that they may invite and still stay within their budget.