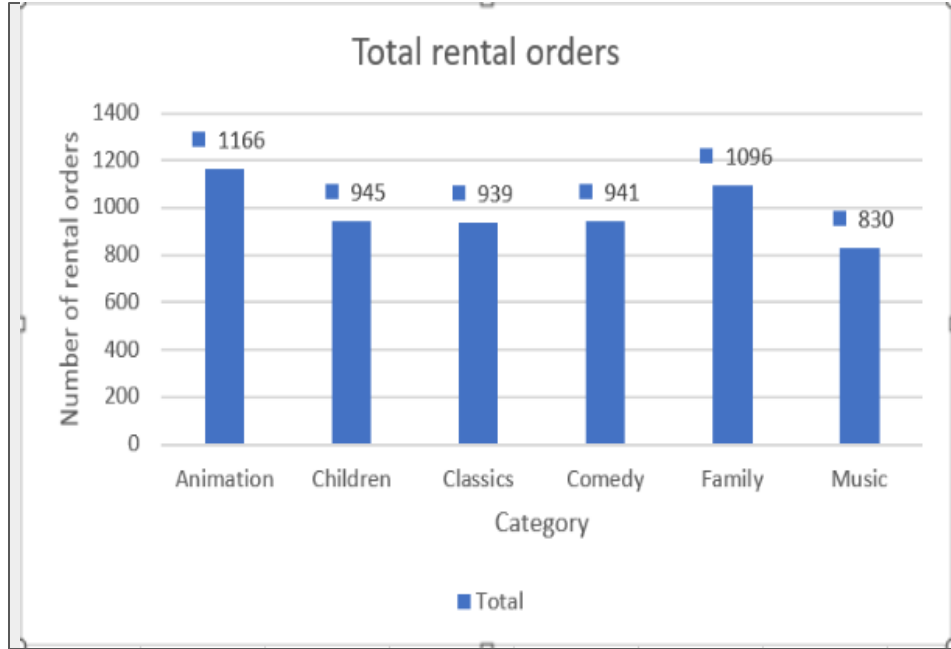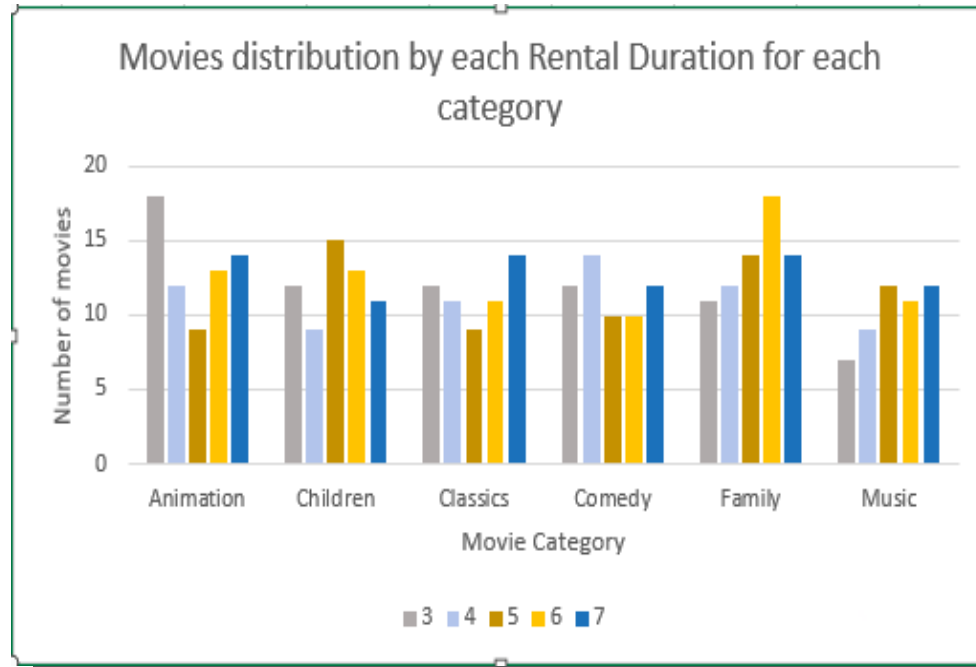# List the trend in the number of total rental orders till now for each category of family movies ?

The graph plots the rental orders for each category of family movies .
We can see that families are most likely to rent movies in the 'Animation' category followed by 'Family' category followed by 'Children', 'Classics' and 'Comedy' categories . They show least interest to rent 'Music' category movies.
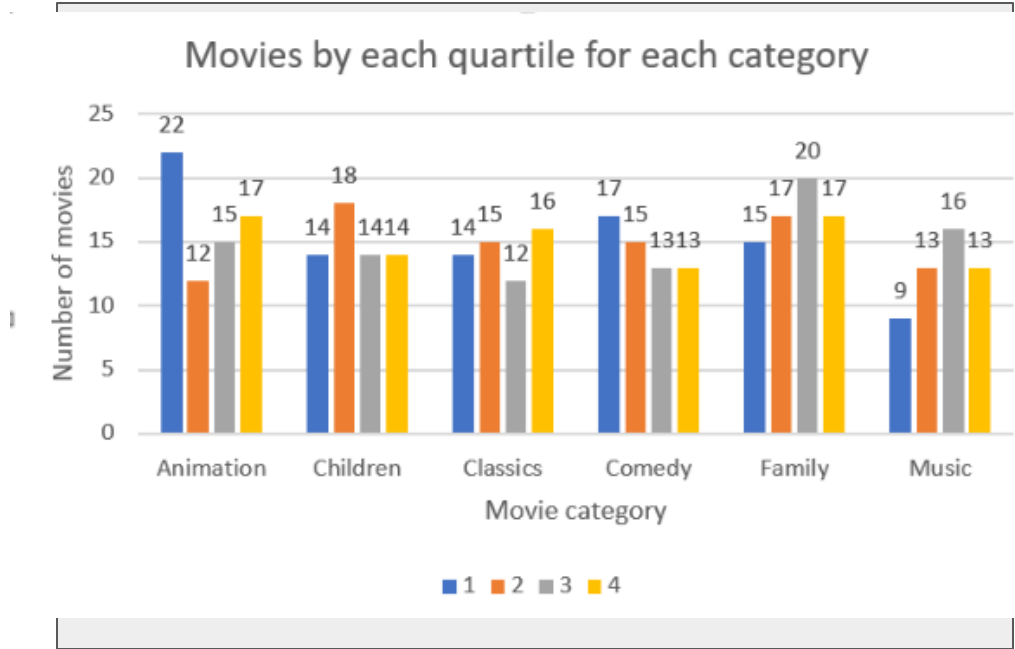
List the length of rental duration of these family-friendly movies compares to the duration that all movies are rented for.

Movies distribution by each Rental Duration for each category

Here we divide the films by the duration of their rents across six categories.

We can see that maximum number of movies rented in the family category is 6 days as compared to children which is 5 days or classics which is 7 days.
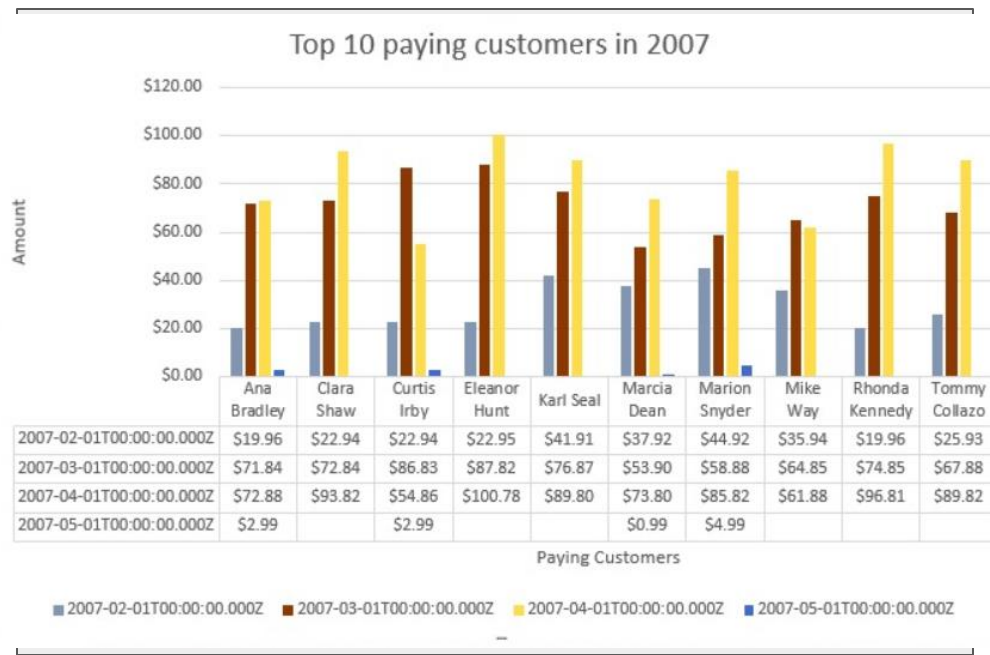
List the number of movies in each quartile for each category of family movies when sorting them according to the rental duration in ascending order of duration?

Movies by each quartile for each category

The graph here shows the distribution of movies by each quartile for each category of family movies when they were sorted according to the rental duration in ascending order of duration.

Here, we can see the 'Animation' category has the highest number of movies in the first quartile in its own category and among all other categories. Within the category, there are 17 movies in the fourth quartile on the second place followed by number of movies in the third and fourth quartile. Similarly, we can compare for other categories.

List total payment amount for each month by these top 10 paying customers in 2007

Top 10 paying customers in 2007

	Ana Bradley	Clara Shaw	Curtis Irby	Eleanor Hunt	Karl Seal	Marcia Dean	Marion Snyder	Mike Way	Rhonda Kennedy	Tommy Collazo
2007-02-01T00:00:00.000Z	$19.96	$22.94	$22.94	$22.95	$41.91	$37.92	$44.92	$35.94	$19.96	$25.93
2007-03-01T00:00:00.000Z	$71.84	$72.84	$86.83	$87.82	$76.87	$53.90	$58.88	$64.85	$74.85	$67.88
2007-04-01T00:00:00.000Z	$72.88	$93.82	$54.86	$100.78	$89.80	$73.80	$85.82	$61.88	$96.81	$89.82
2007-05-01T00:00:00.000Z	$2.99		$2.99			$0.99	$4.99			

Paying Customers

■ 2007-02-01T00:00:00.000Z ■ 2007-03-01T00:00:00.000Z ■ 2007-04-01T00:00:00.000Z ■ 2007-05-01T00:00:00.000Z

The plot is showing the top 10 paying customers in 2007 in order of their names with the amount of the monthly payments they made in 2007.

The graph shows that Eleanor Hunt has made the top monthly payment of $100 in April 2007.