Exercise 3 : Mount-Wind ski resort

The Mont-Vent ski resort would like to develop a data management system to record the number of **TICKETS** sold, the **TYPE OF TICKET** (half day or full day), the date of purchase, the skier's **CATEGORY** (adult, student, etc.) and the price of the ticket. The resorts **RATES** grid and the sales report desired by management are displayed in the tables below. Tickets are to be identified by a ticket number.

Attendants only need to enter two-character codes for the Skier Category and Ticket Type fields.

	Skier Category	Full Day	Half Day
Rates	*Student*	17 $	13 $
	Adult	23 $	19 $
	Child	10 $	6 $

SALES REPORT

Date : 24/6/99

Report period : 1/3/99 to 31/3/99

	Ticket type				Total	
	Full Day		Half Day			
	#	$	#	$	#	$
Student	100	1700	10	130	110	1830
Adult	200	4600	100	1900	300	6500
Child	500	5000	30	180	530	5180
	800	11300	140	2210	940	13510

a) Identify the entities and their attributes.
b) Establish the relationships.
c) Define the identifiers.
d) Define the cardinalities.