

Trip Transportation

The fourth grade won a field trip paid for by a local car rental company. They may use any combination of vans, SUVs, and economy cars. Seating capacity is listed below.

- Drivers are included and not figured into the passenger information.
- There are 87 students and 7 teachers. They may invite up to 15 chaperones.

| Vans | SUV (Sport Utility Vehicle) | Economy Cars |
|--------------------|--------------------------------|--------------------|
| Seats 9 passengers | Seats 7 passengers | Seats 4 passengers |

Which combination of vans, SUVs, and compact cars would you order? How many chaperones would be invited? Any empty seats?

Explain your thinking using pictures, numbers, and words.