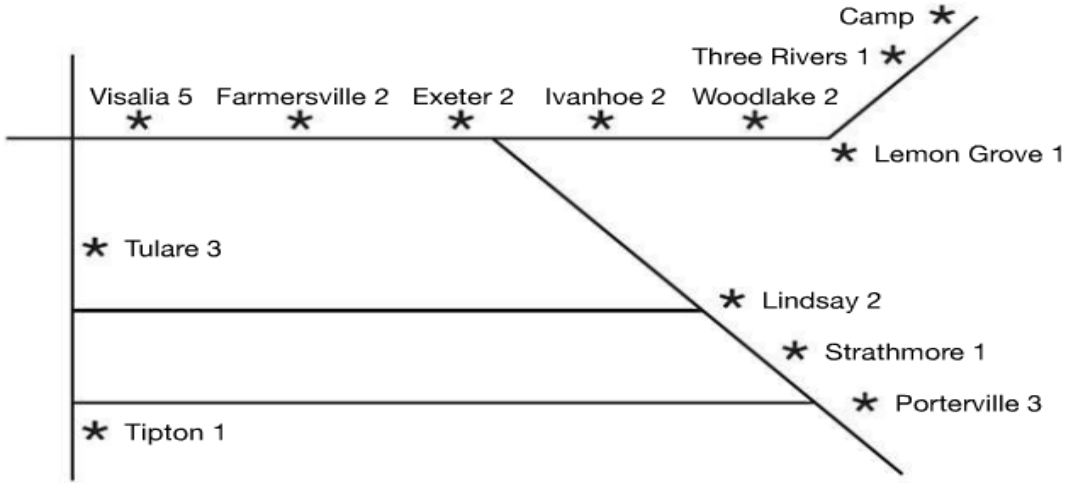


Topic 4 Performance Task

Name _____

A summer camp needs help planning transportation routes so that 25 campers have rides to camp every day. Van A, Van B, Van C, and Van D can each hold 5 campers. The minibus can hold 8 campers. The map below shows how many campers are in each town.



1. Plan a route for each vehicle.

2. Complete the table below. Remember that all 25 campers need rides to camp. To fill in information about a vehicle, find the row for that vehicle. Then move across to the correct column and write down that information. The total seats column is done for you.

| Vehicle Name | Total Seats | Unoccupied Seats | Occupied Seats |
|--------------|-------------|------------------|----------------|
| Van A | 5 | ■ | ■ |
| Van B | 5 | ■ | ■ |
| Van C | 5 | ■ | ■ |
| Van D | 5 | ■ | ■ |
| Minibus | 8 | ■ | ■ |
| | | Total | ■ |

3. Explain now you chose your routes.

4. The camp wants to replace the minibus with another van. Is it possible to pick up all the campers with 5 vans and no minibus? How would the routes change if you replaced the minibus with Van E, which also holds 5 campers?

