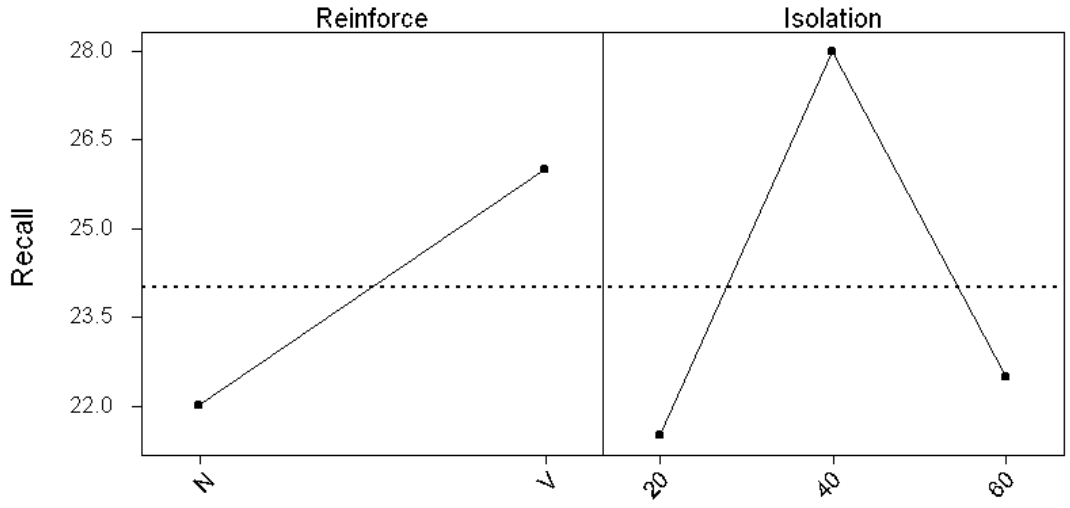
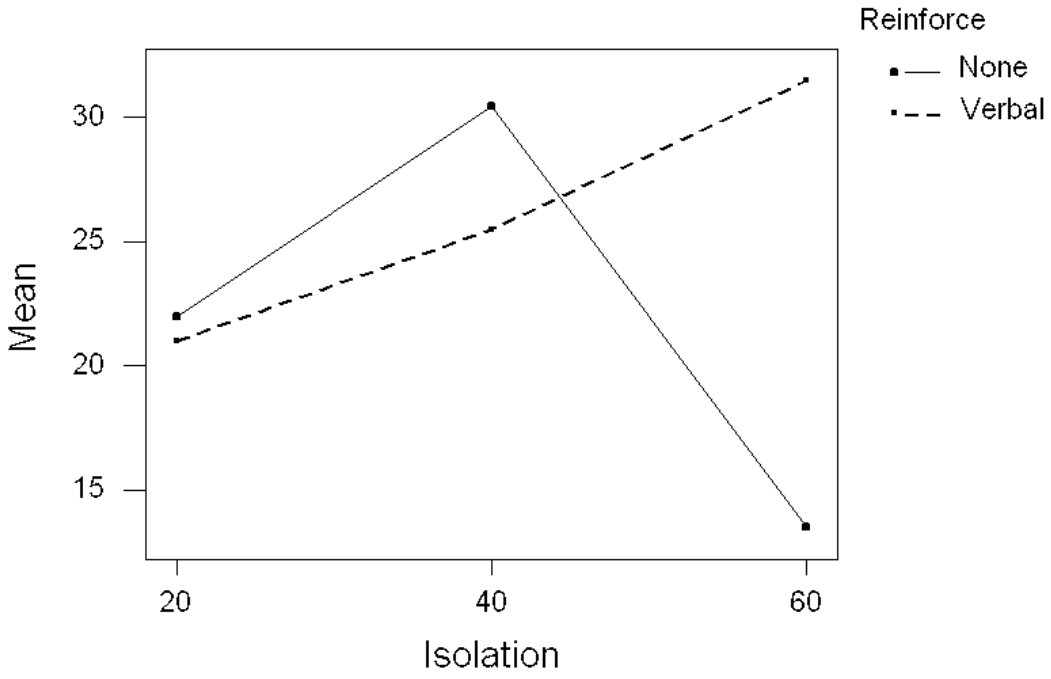
- **Question:** How do reinforcement and time in isolation affect a child's ability to recall?
- **Data Collection:** An experiment was conducted on the ability of fourth-grade students to recall a specific passage. A random sample of 24 children selected from a group of fourth-grade students was used in the experiment. There were two factors of interest. The first factor was level of reinforcement (none or verbal). The second was time in isolation (20, 40 and 60 minutes). Students were randomly assigned to the six treatment groups, with four students in each group. Each student spent 30 minutes with the researcher. During this session the student was to memorize a passage. The researcher provided no reinforcement or verbal reinforcement according to the treatment group of the student. After the 30 minute session, the student was isolated for the time specified by the treatment group. At the end of this time, the student was tested for his/her recall of the memorized passage.
- **Data:**

Level of Reinforcement	Isolation time (minutes) 20	40	60
None	18	35	13
	24	31	8
	26	26	14
	20	30	19
Verbal	19	27	36
	17	28	30
	23	23	28
	25	24	32

- **Means:**

Level of Reinforcement	Isolation time (minutes) 20	40	60	
None	22.0	30.5	13.5	22.0
Verbal	21.0	25.5	31.5	26.0
	21.5	28.0	22.5	24.0

Main Effects Plot - Data Means for Recall



Interaction Plot - Data Means for Recall