

A ROOM IN THE PUEBLO

Grasshopper Pueblo is a large multiroom ruin in the highlands of east-central Arizona. The pueblo was built during the thirteenth century and occupied for approximately 125 years. The University of Arizona conducted archaeological training courses (field schools) at the site for many years, uncovering a large number of rooms (Fig. 7.33). Most rooms had a fireplace, storage areas, and other indications of residence and activity (Fig. 7.34).

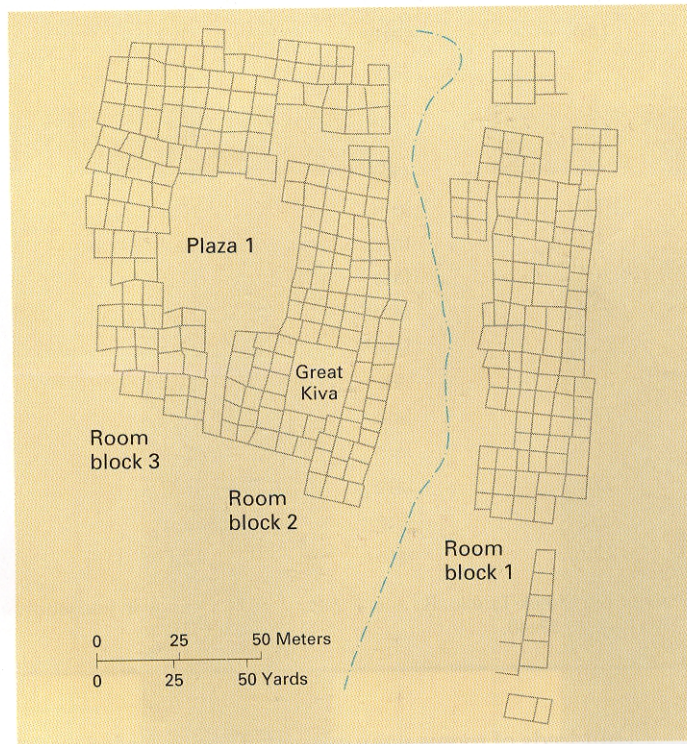


Fig. 7.33 Plan of Grasshopper Pueblo in the highlands of east-central Arizona, excavated by the University of Arizona for many years. The pueblo is a multiroom, multistory series of compounds built around open plazas. Rooms are individually numbered on the plan.



Fig. 7.34 A room at Grasshopper Pueblo in the course of excavation by the University of Arizona field school.

TABLE 7.7 Room number, age, room size, and hearth size from a sample of 20 rooms at Grasshopper Pueblo.

Room Number	Date	Room Size (m ²)	Hearth Size (cm ²)
1	early	17.3	1864
2	early	16.4	1350
18	early	22	2937
28	early	18.1	1564
146	early	15.7	1665
3	late	18.6	838
5	late	13.7	589
6	late	15.8	1860
7	late	21.3	1440
11	late	12.9	1456
13	late	14.4	800
205	late	17.7	1004
216	late	17.5	761
218	late	22.4	1435
319	late	23.4	1444
349	late	16.1	1386
359	late	25.9	1140
371	late	15.3	1013
398	late	12.4	870
425	late	12.6	1534

Data from Ciolek-Torello, R., and J. J. Reid. 1974. Change in household size at Grasshopper. *The Kiva* 40:39–48.

Hundreds of rooms were excavated and recorded over the years. You have available a random sample of information from 20 of these rooms (Table 7.7). These rooms should be representative of the whole pueblo. The information in the table provides the room number assigned during the excavations, the estimated age of the room based on ceramic finds, the size of the room in square meters, and the size of the hearth in the room in square centimeters.

Using the information in the table and the methods discussed in this chapter, answer the following questions.

1. What is the average room size at Grasshopper?
2. What is the average hearth size at Grasshopper?
3. Is there a relationship between room size and hearth size at Grasshopper?
4. What is the average room size for early rooms?
5. What is the average room size for late rooms?
6. Is there more or less variation in the size of the later rooms compared to the early ones?
7. Make a pie chart of the proportion of early and late rooms at Grasshopper.
8. What would you conclude about the relationship between time and room size at Grasshopper Pueblo?