

Shooting hoops

This task is about interpreting data to make statements about the results.

Sixty students in two classes had ten shots each at a basketball hoop. Each shot was taken from the same position.

The table shows their results.

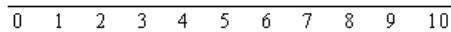


	Number of Successful Shots										
	0	1	2	3	4	5	6	7	8	9	10
Room 23	1	1	1	2	4	6	5	5	3	2	0
Room 27	0	2	4	5	4	1	1	3	5	3	2

- a) Draw a composite dot plot using the data in the table. The labels of the dot plot have been given.

Number of Successful Shots at a Basketball Hoop

Room 23



Room 27

- b) What is the mode number of successful shots for Room 23? _____
- c) What is the range of the number of successful shots for the:
- i) Room 23? _____
- ii) Room 27? _____
- d) Complete the following sentences.
- i) Half of Room 23 got _____ successful shots or fewer.
- ii) Half of Room 27 got _____ successful shots or fewer.
- e) From the dot plot make a statement comparing the shape of the graph for Room 23 with the shape of the graph for Room 27.
