

Name _____ Date _____

Description of Investigation and Student Report
Be an Investigator

Dear Investigator _____,
(name)

I am the director of a dance company, and I need some help. I have 35 dancers in my company. I want to know which of the following arrangements of dancers I will have enough dancers for.

- 7 rows with 5 dancers in each row
- 8 rows with 5 dancers in each row
- 4 rows with 8 dancers in each row
- 6 rows with 6 dancers in each row
- 9 rows with 4 dancers in each row
- 10 rows with 3 dancers in each row

For each arrangement that would work, I would like you to tell me how many dancers I would use on stage. If I would not have enough dancers for an arrangement, I would like you to tell me how many more dancers I would need for that arrangement. Thank you.

Sincerely,

Sharon Stein

Name _____ Date _____

Be an Investigator
Student Report

Dear Ms. Stein,

I'm sending you the information you asked for about arrangements of dancers.

7 rows with 5 dancers in each row _____

8 rows with 5 dancers in each row _____

4 rows with 8 dancers in each row _____

6 rows with 6 dancers in each row _____

9 rows with 4 dancers in each row _____

10 rows with 3 dancers in each row _____

Yours truly,

Investigator _____

(your name)