

STEM PAPER CHAIN ACTIVITY

Name: _____

Name: _____

Date: _____

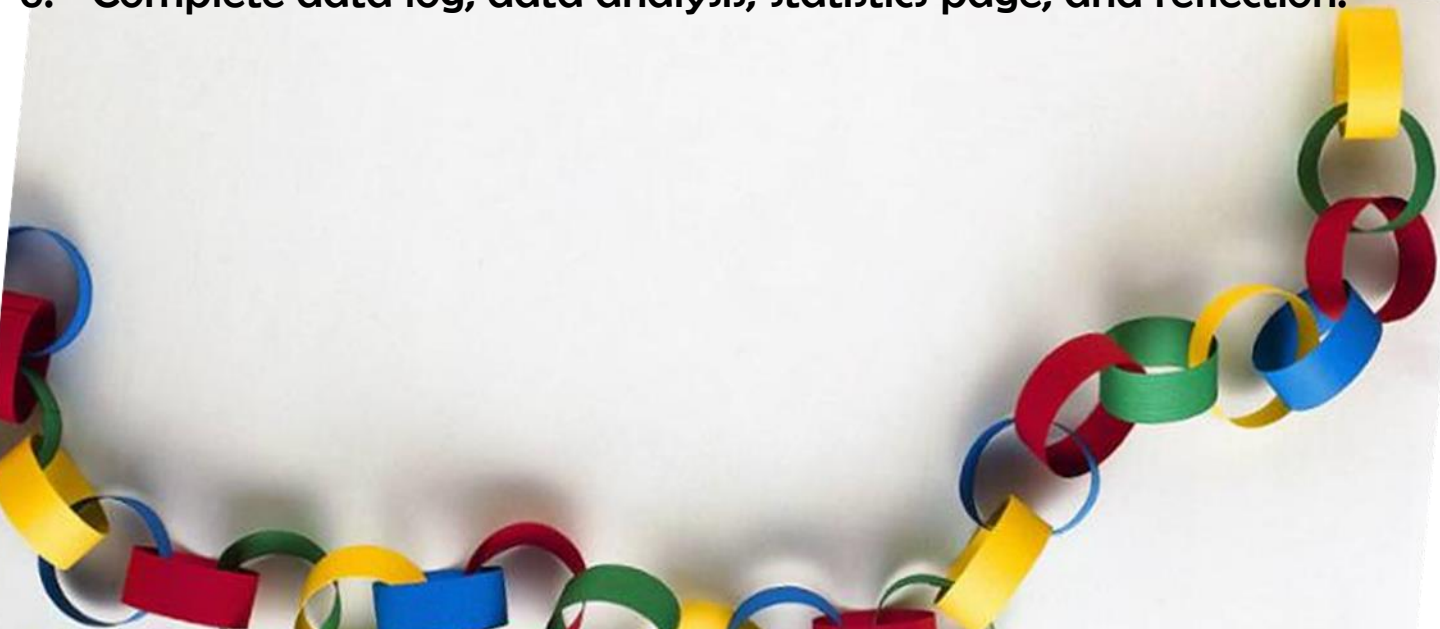
PAPER CHAIN ACTIVITY

Your Challenge: You need to construct the longest paper chain out of just ONE piece of construction paper.

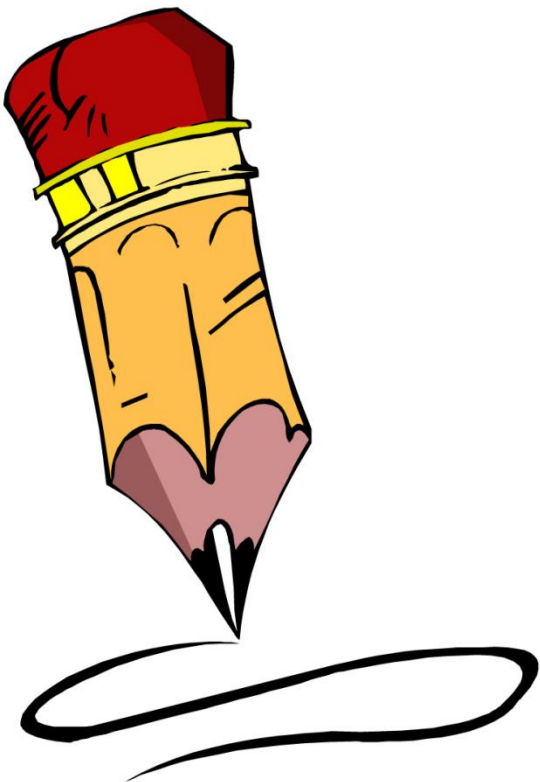
Materials: 1 piece of construction paper, 1 ruler, scissors, tape

Procedure:

1. Work with a partner.
2. Come up with a group name.
3. Allot about 5 minutes to come up with a plan of action. You can have the materials at your desk (to measure) but you should only be sketching out your ideas on your planning page at this point.
4. You will have 20 minutes to complete your paper chain.
Whatever paper you have left will not be counted!
5. After 20 minutes, your paper chain will be measured.
6. Complete data log, data analysis, statistics page, and reflection.



Planning Page..



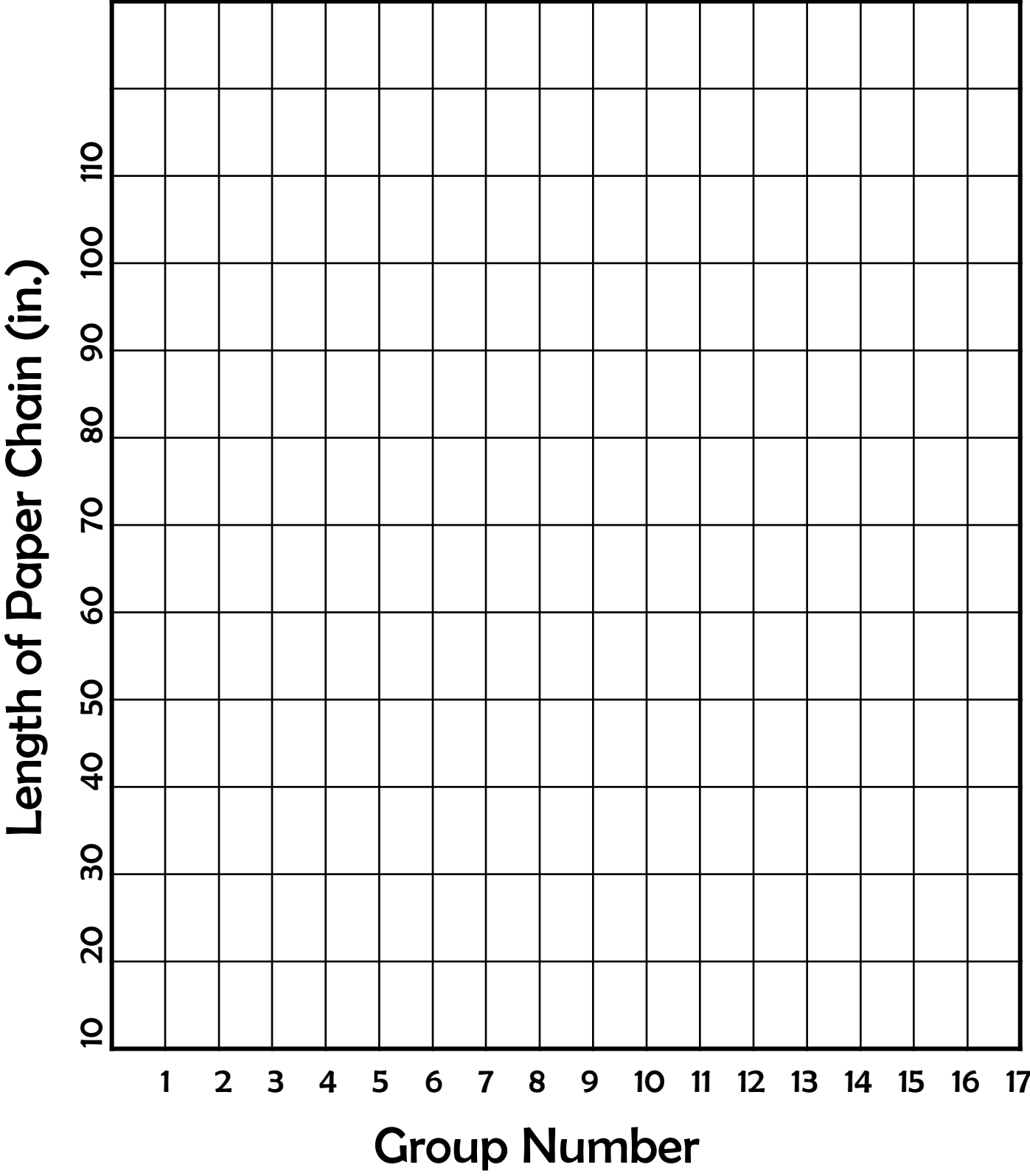
Results:

Paper Chain Data Log

Group #	Group Name	Length in Inches
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		

Results:

Paper Chain Data Analysis



STATISTICS

Mean, Median, Mode, Range

- Order the results from **least** to **greatest**.
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- Calculate the mean, median, mode and range for this set of #'s.

Mean:

Median:

Mode:

Range:

Reflection:

Length of my group's paper chain: _____

Average (mean) length for the class: _____

Difference between your group's paper chain length and the class average: _____

1. How well did you and your partner(s) work together?

2. What was your original strategy?

3. Did your strategy change as you progressed? If so, HOW and WHY?

4. If you had the opportunity to complete this activity again, how would you change your design?
