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**Patterns**

Grade 5

**Standard/Benchmark**

Recognize and represent patterns of change; use patterns, tables, graphs and rules to solve real-world and mathematical problems.

5.2.1.1 Create and use rules, tables, spreadsheets and graphs to describe patterns of change and solve problems.

**Launch**

Read the book The Book That Jack Wrote by Jon Scieszka and help students recognize that it is a growing pattern. Discuss how growing patterns are different than growing patterns and that today we will work with growing patterns and math.

**Explore**

Provided on attached sheet.

**Closing**

What other patterns could you create and show? Do you think you could create your own kind of pattern? How do you think you might do that, give an example?

**Resources**

[**http://www.amazon.com/The-Book-that-Jack-Wrote/dp/067084330X**](http://www.amazon.com/The-Book-that-Jack-Wrote/dp/067084330X)

[**http://illuminations.nctm.org/ActivityDetail.aspx?ID=17**](http://illuminations.nctm.org/ActivityDetail.aspx?ID=17)

<http://www.uen.org/Lessonplan/preview?LPid=6158>