



Using Patterns to Teach Algebra Planning Guide

Pattern-Based “Change” Problem	Scaffolded Questions
<p>“Jennie decides to open a savings account. She first deposits \$50 from her birthday, and she plans to add \$7 each week.” (5th grade example)</p>	<ol style="list-style-type: none"> 1. “How much will Jennie have in her account after 1 week? 2. After 3 weeks? 3. After 10 weeks? 4. Write a rule, using words, that explains how to calculate the amount in Jennie’s savings account after any number of weeks 5. Write a rule for your equation using t for the number of weeks and s for the amount in Jennie’s savings account 6. Use this equation to answer such questions as, ‘How many weeks will it take for Jennie to have \$400 in her savings account?’ What other questions could this equation be used to answer?”
Pattern of shapes	