

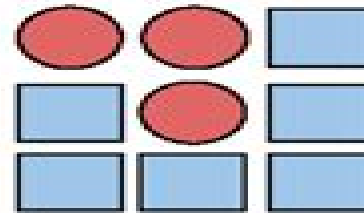
Activity Guide - Circle Square Patterns

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D	E

Challenge 1: Patterns

Record all of the possible three place value patterns that use only the circle and square shapes. A few are listed in the diagram to the right.

Try to make sure these patterns are in some type of order and avoid putting down patterns randomly.



1) S S C

2) S C C

3) C C C

4) C C S

5) C S S

6) S S S

7) C S C

8) S C S

Challenge 2: Describe Your Rules

Reflect on how you put the patterns above in order from one line to the next. Are there any clear rules to follow? If you didn't use any clear rules, re-do Challenge 1 with some rules in mind.

Describe the rules for how you listed your patterns above. Your rules should clearly describe how to create the exact same list of patterns.

Here are the rules I followed to create the pattern list in Challenge 1:

1. Start with all circles.
2. Replace the leftmost circle with a square.
3. Move to the next line and replace the next circle to the right with a square.
4. Continue moving from left to right, replacing circles with squares to generate new patterns on each line.
5. When all circles have been replaced by squares, start over with all circles again.
6. Repeat steps 2-5 until all possible 3-place value patterns with circles and squares have been listed.

The key rules are:

- Move from left to right, replacing circles with squares
- When all circles are replaced, start over with all circles again
- List all possible 3-place patterns using only circles and squares

Patterns Unit Stude Guide

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In an electronic era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its capability to stir emotions, provoke thought, and instigate transformation is truly remarkable. This extraordinary book, aptly titled "**Patterns Unit Stude Guide**," published by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we shall delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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