

“Hot Shot Patterns”

Objective:

By the end of the lesson/activity, the students will be able to:

- Generate a shape and number pattern to determine a term that will appear in the sequence.

Materials:

- “Hot Shot Patterns activity sheets
- Bouncy ball

Teacher Preparation:

- Make copies of the activity sheet for each student.

Introduction:

- Bounce your ball three times. Pause.
- Bounce your ball three times. Pause.
- Bounce your ball two times. Pause.
- Repeat the pattern at least 3 times.

South Carolina College- and Career-Ready Standards for Mathematics:

4.ATO.5 Generate a number or shape pattern that follows a given rule and determine a term that appears later in the sequence.

Question(s):

- “If I continued this pattern continues what should I do next?”
- “Will someone volunteer what the next part of the pattern should be?”
- “Go you agree with [Student Volunteer]? Why? Why not?”

Extensions:







- Require all students to work all problems, making everyone responsible for the correct answers.
- Use the blank activity sheet to create your own problems with any skill and/or concept.



Name: _____ Date: _____ Period: _____

Hot Shot Patterns

Directions: Find the pattern. Then, determine the next 4 terms in the pattern.

									
Start at _____ _____	Describe the Pattern: _____ _____ _____								

Directions: Find the rule. Then, determine the next 5 terms in the pattern.

-3	-1	1	3	5					
Start at _____ _____	Describe the Pattern: _____ _____ _____								

Directions: Find the rule. Then, determine the next 5 terms in the pattern.

10	5	11	6	12					
Start at _____ _____	Describe the Pattern: _____ _____ _____								

Directions: Create your own pattern rule. Then, allow a peer to determine the next 5 terms in the pattern.

Start at _____ _____	Describe the Pattern: _____ _____ _____								

Name: _____ Date: _____ Period: _____

Hot Shot Patterns

Directions: Find the pattern. Then, determine the next 4 terms in the pattern.

Start at _____ _____	Describe the Pattern: _____ _____ _____								

Directions: Find the rule. Then, determine the next 5 terms in the pattern.

Start at _____ _____	Describe the Pattern: _____ _____ _____								

Directions: Find the rule. Then, determine the next 5 terms in the pattern.

Start at _____ _____	Describe the Pattern: _____ _____ _____								

Directions: Create your own pattern rule. Then, allow a peer to determine the next 5 terms in the pattern.

Start at _____ _____	Describe the Pattern: _____ _____ _____								