

Grade 2 Mathematics Unit Preview

Quarter 1: Algebra, Patterns, and Functions

Objectives: (Your student will be able to)

- **Show and explain repeating patterns.** For example, what shape completes this repeating pattern?
♣, ♣, ♣, ♦, ♣, ♣, ♣, ♦, ♣, ♣, ____, ____,
- **Show a pattern in two different ways.** For example, the pattern shown above could also be shown as:
red, red, red, blue, red, red, red, blue, ...
- **Show and explain numeric patterns.** For example, complete the pattern: 1, 4, 7, ____, 13, ____
- **Show and explain numeric patterns using skip counting backwards by 2s, 5s, and 10s.**
For example, complete the pattern: 40, 35, ____, 25, 20, ____, 10
- **Show and explain growing patterns.**
For example, what comes next in this pattern? ○ ○ ○ _____

Vocabulary: (Words your student will need to understand)

• **Pattern:** repeated design or recurring sequence

• **Skip Count:** to count in equal increments
by 2s, 3s, 4s, 5s, or 10s

Activities to do with your student (in addition to homework, optional):

- Look for patterns around your home and community - sizes of buildings, building materials, fences, sidewalks, colors of buildings, vehicles.
- Make patterns with household objects – silverware, paper clips, toys.
- Think of another way to describe a pattern – colors, shapes, numbers, and letters.
- Skip count when counting groups of nickels and dimes.
- Start a numeric pattern and ask your student to complete it.
- Count in a pattern while doing a rhythmic or repeated task – stirring pancake batter, brushing hair, putting away groceries, walking.

