## Math Continuum

### Preconventional
**Ages 3-5**
- Developing strategies to learn and practice specific problem solving strategies.
- Identifies and extends patterns in familiar surroundings.
- Develops ability to learn and practice specific problem solving strategies.
- Understands one-to-one correspondence.
- Recognizes numerals 1 to 5 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to ten and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Emergent
**Ages 4-6**
- Develops understanding of math facts through story problems and division.
- Recognizes and writes numbers 1 to 10.
- Predicts, selects and creates objects and begins to explore ways to record that information.
- Sorts information and is able to graph it with guidance.
- Can skip count by 5’s and 10’s to 100.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to 10 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Developing
**Ages 7-9**
- Develops understanding of multiplying and dividing fractions, decimals, percents and landmark statistics.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to 10 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Beginning
**Ages 6-8**
- Develops understanding of multiplying and dividing fractions, decimals, percents and landmark statistics.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to 10 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Expanding
**Ages 7-9**
- Develops understanding of multiplying and dividing fractions, decimals, percents and landmark statistics.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to 10 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Bridging
**Ages 8-10**
- Develops understanding of multiplying and dividing fractions, decimals, percents and landmark statistics.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to 10 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Fluent
**Ages 11-13**
- Develops understanding of multiplying and dividing fractions, decimals, percents and landmark statistics.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to 10 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Proficient
**Ages 11-13**
- Develops understanding of multiplying and dividing fractions, decimals, percents and landmark statistics.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to 10 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Independent
**Ages 11-13**
- Develops understanding of multiplying and dividing fractions, decimals, percents and landmark statistics.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to 10 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Numbers and Operations
- Develops understanding of multiplying and dividing fractions, decimals, percents and landmark statistics.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to 10 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Problem Solving
- Develops understanding of multiplying and dividing fractions, decimals, percents and landmark statistics.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to 10 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Geometry
- Understands basic measurements of addition and subtraction.
- Knows number combinations in a concrete level.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to 10 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Measurement
- Understands basic measurements of addition and subtraction.
- Knows number combinations in a concrete level.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to 10 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Data Analysis and Probability
- Understands basic measurements of addition and subtraction.
- Knows number combinations in a concrete level.
- Identifies and extends patterns in familiar surroundings.
- Recognizes numerals to 10 and is able to write them with guidance.
- Can successfully model situations that involve addition and subtraction of two and three digit numbers using objects, pictures and symbols.
- Recognizes number combinations in a concrete level.

### Preconventional
**Ages 3-5**
- Explores the use of patterns.
- Explores the use of patterns in familiar surroundings.
- Develops the ability to search to function rules.
- Develops ability to identify fractional parts, equivalents and numbers.
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