

Developmental Milestones: Cognitive/Mathematics

Child describes, identifies, & compares various shapes

These observations involve the following developmental skills:

- Geometry
- Mathematic vocabulary
- Discrimination of attributes
- Understanding of shapes in everyday life

Developmental Milestones: Cognitive/Mathematics

Child identifies, copies, and reproduces patterns

These observations involve the following developmental skills:

- Visual discrimination
- Recognizing simple linear patterns
- Mathematical thinking
- Fine motor & writing
- Understanding patterns in everyday life

Developmental Milestones: Cognitive/Mathematics

Child demonstrates the ability to count

These observations involve the following developmental skills:

- Numeration
- Memorization
- Self-confidence
- Fine motor (if using manipulative items)

Developmental Milestones: Cognitive/Mathematics

Child demonstrates one-to-one correspondence

These observations involve the following developmental skills:

- Comparison
- Understanding of quantity & equivalence
- Association of number to object
- Counting

Developmental Milestones: Cognitive/Mathematics

Child recognizes and writes numbers

These observations involve the following developmental skills:

- Number sense
- Memorization
- Visual mathematic discrimination
- Self-confidence
- Fine motor

Developmental Milestones: Cognitive/Mathematics

Child understands how to compare objects

These observations involve the following developmental skills:

- Sorting & classifying
- Thinking, reasoning & problem-solving
- Language & communication
- Visual discrimination
- Uses comparative language
- Fine motor ability (when using manipulatives)

Developmental Milestones: Cognitive/Mathematics

Child is able to perform simple addition and subtraction

These observations involve the following developmental skills:

- Number sense
- Simple arithmetic
- Thinking, reasoning & problem-solving
- Self-confidence
- Fine motor (if using manipulative items)

Developmental Milestones: Cognitive/Mathematics

Child is familiar with basic monetary units

These observations involve the following developmental skills:

- Number sense
- Simple arithmetic
- Thinking, reasoning & problem-solving
- Self-confidence
- Visual discrimination
- Uses comparative language
- Identifying, sorting & classifying

Developmental Milestones: Cognitive/Mathematics

Child understands how to sort, classify, and organize

These observations involve the following developmental skills:

- Sorting & classifying
- Thinking, reasoning & problem-solving
- Language & communication
- Visual discrimination
- Draws conclusions & understanding from groups
- Fine motor ability (when using manipulatives)

Developmental Milestones: Cognitive/Mathematics

Child is familiar with the concept of time

These observations involve the following developmental skills:

- Recalling information
- Sequencing; patterning
- Receptive & expressive language
- Uses vocabulary related to time & chronology
- Self-confidence

Developmental Milestones: Cognitive/Mathematics

Child demonstrates mathematical understanding

These observations involve the following developmental skills:

- Sorting & classifying
- Thinking, reasoning & problem-solving
- Language & communication
- Visual discrimination
- Familiar with mathematical terms
- Uses tools & techniques to solve math problems
- Applies mathematics to everyday life