

Developmental Milestones: Cognitive/Mathematics

Child matches objects to their outlines

These observations involve the following developmental skills:

- Fine motor
- Self-confidence
- Spatial awareness
- Thinking, reasoning & problem-solving
- Building math foundations
- Reading/handwriting development

Developmental Milestones: Cognitive/Mathematics

Child groups objects by shape, color, and/or size

These observations involve the following developmental skills:

- Sorting & classifying
- Thinking, reasoning & problem-solving
- Language & communication
- Visual discrimination
- Fine motor ability

Developmental Milestones: Cognitive/Mathematics

Child rote counts

These observations involve the following developmental skills:

- Understanding of numeracy & number names
- Memorization
- Self-confidence
- Mathematical sequencing

Developmental Milestones: Cognitive/Mathematics

Child can rationally count

These observations involve the following developmental skills:

- Number equivalency
- Mastery of rote counting
- One to one correspondence
- Early concepts of mathematics
- Strengthening fine motor when using manipulatives

Developmental Milestones: Cognitive/Mathematics

Child identifies, copies, and/or reproduces an ABA pattern

These observations involve the following developmental skills:

- Visual discrimination
- Recognizes simple linear patterns
- Mathematical thinking & problem solving
- Fine motor (using manipulative items)
- Spatial awareness

Developmental Milestones: Cognitive/Mathematics

Child understands positional terms (under, over, above, below, on, beside, next to, between, etc.)

These observations involve the following developmental skills:

- Thinking, reasoning, and problem-solving
- Language & communication
- Visual discrimination
- Spatial awareness
- Mathematical vocabulary

Developmental Milestones: Cognitive/Mathematics

*Child begins to understand mathematical concepts
(such as more/less, before/after, and bigger/smaller)*

These observations involve the following developmental skills:

- Sorting & classifying
- Thinking, reasoning & problem-solving
- Language & communication
- Visual discrimination
- Uses measurement terms

Developmental Milestones: Cognitive/Mathematics

Child begins to develop an understanding of time in the context of daily routines

These observations involve the following developmental skills:

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

Developmental Milestones: Cognitive/Mathematics

Child differentiates between a circle, square, triangle, and rectangle

These observations involve the following developmental skills:

- Emergent geometry
- Spatial awareness
- Mathematic vocabulary
- Discrimination of attributes
- Memory recall