Math Skills: What to Expect at Different Ages

Children develop at their own rate, but you can generally expect them to meet certain milestones. Take a look at how kids build math skills throughout the years.



- Begin to predict the sequence of events (running water means bath finin)
 Start to understand basic cause and effect (shaking a rattle makes or enough)
 Start to understand words that describe quantities (more, bigger or enough)

- Understand the "how many" of basic numbers, such as using their fringes to show how many" years old they are
 Begin reclining numbers, but skip some of them
- Understand basic math language, such as how objects relate to each other (under, behind, fast and heavy)

Preschoolers



- Recognize shapes in the real world
 Start sorting things by color, shape, size or purpose
 Compare and contrast using classifications such as height, size or gender
 Count up to at least 20 and accurately point to and count items in a rorup.

Kindergarteners

- Add by counting the fingers on one hand—1, 2, 3, 4, 5—and starting with 6 on the second hand tidentify the larger of two numbers and recognize numerals up to 20
 Begin to understand basic time concepts like morning or days of the week
 Follow multi-step direction words
 Refer and next
- Copy or draw symmetrical shapes
 Start using very basic maps to find
 a "hidden treasure"

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First and Second Graders



- Prodict what comes next in a pattern and create own patterns
 Know the difference between twoand three-demensional slapes and
 name the basic ones (subsec, coses,
 cylinders)
 Count to 100 by ones, twos, fives
 and tens

Third Graders

- Move from using hands-on methods to using paper and pencil to work out math problems

- Work with money
 Now how to do multiplication and division, with help from fact familiating collection of related must facts, such as 3 x 4 = 12 and 4 x 3 = 12).

Fourth and Fifth Graders

- Compare numbers using > (greater than) and < (bess than) helping you cook)
 Practice using more than one way to solve problems
 Or but different types of numbers is order on a number line

 Estimate and round

 Compare numbers using > (greater than) and < (bess than)

 Limit and (bess than)

 Compare numbers digit multiplication (31% x 28)

 Compare numbers (31% x 28)

 Compare numbers using > (greater than) and < (bess than)

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 Compare numbers using > (greater than) and < (greater than) and <

Middle-Schoolers

- Begin basic algebra with one unknown number (such as 2 + x = 10)
 Use coordinates to locate points on a grid, also known as "graphing ordered pairs"
 Work with fines, angles, types of tangles and other basic geometris shapes
 be formulas to solve complicated problems and to find the area, perimeter and volume of shapes

High-Schoolers



- Understand that numbers can be represented in many ways (fractions, decimals), bases and variables)
 Use numbers in real-fife situators (such as checking accounts or calculating sign)
 Begin to see how man tidess build on one another

