

Developing Number Sense, Basic Facts and Computation Strategies through *Every Day Counts*® Calendar Math

Each grade level has a special element that appears in different months on the Every Day Counts® bulletin board. These special elements have been designed to engage students in estimating and computing with whole numbers or fractions as they solve problems that make use of the day's data. Basic facts are also assessed and systematically revisited September through May (+/- basic facts in grades 1-3 and \times/\div facts in grades 3-4).

The following chart describes the math a student will be doing and demonstrating during discussion of the special Every Day Counts® computation element and the days of school Counting Tape that supports whole numbers or fractions all year.

	K	1	2	3	4	5
Special Element with Computation Focus (specific to each grade level)	<u>Domino Number Builder</u> Instantly recognizes small sets. Knows 1 more/less and 2 more/less for sets to 9. Sees inverse relationship between addition and subtraction. Tells addition and subtraction stories to go with combinations.	<u>Number Builder</u> Learn +/- 0, +/- 1 and +/- 2 facts. Knows Combinations and fact families for given sum, 4 to 10. Counts up to find an unknown sum or difference above 10. Able to "pull out fives" when adding addends 5 to 9.	<u>Computations & Connections</u> Review +/- 0, 1, 2, 5, 10 facts. Knows "doubles and doubles +1" facts Can use the "make a fast ten" strategy "pulling out two fives" or by completing a ten, when adding addends 5 to 9. Uses "take it out of the ten" to develop recall of subtraction facts Creates equal groups to \times & \div .	<u>Computations & Connections</u> Reviews "doubles and doubles +1" and "making a fast ten" strategy for + facts to 18. Revisits "take it out of the ten" for subtraction facts. Creates equal groups to \times & \div . Focuses on \times and \div facts, one group at a time Investigates sharing division. Names fractions.	<u>Fraction a Day</u> Converts improper to mixed fractions and adding and subtracting like fractions in problem contexts. Uses circles, segments, rectangles, and sets of a dozen for "the whole". 1/3's, 1/4's, 1/5's, 1/6's, 1/8's, 1/12's. Finds equivalent fractions.	<u>Fraction A Day and Arrays</u> Finds equivalent fraction in lowest terms. Converts improper to mixed fractions and adds and subtracts like and unlike fractions in problem contexts. Uses strip, circle, or set for "whole".
Days of School Counting Tape	<u>Counting Tape</u> Compares numbers. Adds and finds differences.	<u>Counting Tape</u> Finds sums and differences using ten landmarks.	<u>Counting Tape</u> Finds sums and differences using ten landmarks.	<u>Counting Tape</u> Focuses one set of \times/\div facts for a month or more.	<u>Counting Tape</u> Focuses on one set of \times/\div facts per month.	<u>Counting Tape</u> Given decimal, explains equivalent % and fraction(s).