

Level A

A Mind for Math

Course Description

Through oral lessons, daily written practice, activities, and weekly reviews, students will study along with a parent or teacher to learn the following topics:

- *recognizing and using numbers to 1000
- *counting by one, two, five, ten, twenty-five
- *comparing numbers using $<$ $>$
- *place value
- *ordering numbers, ordinals
- *horizontal and vertical arithmetic
- *finding missing terms
- *word problems
- *adding multiple addends
- *adding and subtracting without borrowing or carrying up to three digits
- *adding and subtracting money
- *mental arithmetic
- *shapes: circle, square, rectangle, cylinder, cube
- *perimeter
- *telling time and drawing clocks to the hour
- *recognition and value of pennies, nickels, dimes, and quarters
- *counting the value of a group of coins
- *measuring with a ruler
- *math with inches, centimeters, millimeters, ounces, pounds, milligrams, kilograms
- *using pictures to describe fractions
- *using fractions to describe parts of a whole, parts of a group
- * $\frac{1}{2}$, $\frac{1}{4}$
- *comparing fractions
- *using drawings and objects to multiply and divide

Level B

A Mind for Math

Course Description

Through oral lessons, daily written practice, activities, and weekly reviews, students will study along with a parent or teacher to learn the following topics:

- *recognizing and using numbers to 10,000
- *skip counting
- *comparing numbers using $<$ $>$
- *place value
- *ordering numbers, ordinals
- *patterns
- *horizontal and vertical arithmetic
- *finding missing terms
- *word problems, problem solving
- *checking answers
- *rounding to the nearest ten and hundred
- *estimation
- *adding multiple addends
- *adding and subtracting with borrowing and carrying
- *adding and subtracting money
- *subtracting with zeros in the minuend
- *mental arithmetic
- *shapes: circle, square, rectangle, cylinder, cube, circumference, diameter, radius
- *perimeter, area
- *telling time to the minute, drawing clocks to the half hour
- *elapsed time
- *recognition and value of pennies, nickels, dimes, and quarters
- *counting the value of a group of coins
- *measuring with a ruler
- *math with inches, centimeters, millimeters, ounces, pounds, milligrams, kilograms
- *measurements of cups, pints, quarts, gallons
- *using pictures to describe fractions
- *using fractions to describe parts of a whole, parts of a group
- *tenths
- *comparing fractions and decimals
- *mixed numbers
- *adding and subtracting fractions with common denominators
- *using drawings and objects to multiply and divide
- *multiply by one and zero

Not covered: graphing I suggest doing some just for fun math on Easy Peasy and do days 128 through 135 on Math 2.

Level C

A Mind for Math

Course Description

Through oral lessons, daily written practice, activities, and weekly reviews, students will study along with a parent or teacher to learn the following topics:

- *recognizing and using numbers into millions
- *skip counting
- *comparing numbers using $<$ $>$
- *place value
- *patterns
- *horizontal and vertical arithmetic
- *finding missing terms
- *word problems
- *problem solving
- *rounding and estimation
- *checking work
- *adding and subtracting with borrowing and carrying
- *adding and subtracting money
- *subtracting with zeros in the minuend
- *mental arithmetic
- *shapes: rectangular prism, cylinder, cube, circumference, diameter, radius
- *perimeter, area, including area of a triangle
- *telling time to the minute, drawing clocks to the quarter hour
- *elapsed time
- *counting the value of a group of coins
- *measuring with a ruler
- *math with inches, centimeters, millimeters, ounces, pounds, milligrams, kilograms, meters, yards, feet, kilometers, miles
- *measurements of cups, pints, quarts, gallons
- *using fractions to describe parts of a whole, parts of a group
- *tenths
- *comparing fractions and decimals
- *equivalent fractions
- *mixed numbers, adding mixed numbers with a common denominator
- *adding and subtracting fractions with common denominators
- *multiplying single, double, and triple digits
- *multiplying money
- *using objects and pictures to divide

Not covered: graphing I suggest doing some just for fun math on Easy Peasy and do days 171 through 177 on Math 3.

Level D

A Mind for Math

Course Description

Through oral lessons, daily written practice, activities, and weekly reviews, students will study along with a parent or teacher to learn the following topics:

- *recognizing and using numbers into billions
- *comparing numbers using $<$ $>$
- *place value
- *patterns
- *horizontal and vertical arithmetic
- *finding missing terms
- *word problems
- *problem solving
- *rounding and estimation
- *checking work
- *adding and subtracting decimals with borrowing and carrying
- *adding and subtracting money
- *counting the value of a group of coins
- *subtracting with zeros in the minuend
- *mental arithmetic
- *shapes: rectangular prism, cylinder, cube, circumference, diameter, radius
- *perimeter, area, including area of a triangle and pyramid
- *telling time to the minute, drawing clocks to the quarter hour
- *elapsed time
- *measuring with a ruler
- *math with inches, centimeters, millimeters, ounces, pounds, milligrams, kilograms, meters, yards, feet, kilometers, miles
- *measurements of cups, pints, quarts, gallons
- *tenths
- *comparing fractions and decimals
- *equivalent fractions
- *improper fractions, reducing and simplifying fractions
- *mixed numbers, adding and subtracting with an uncommon denominator
- *adding and subtracting fractions with uncommon denominators
- *multiplying single, double, and triple digits, fractions, decimals
- *multiplying and dividing money
- *dividing, long division, fractions as division, dividing decimals
- *remainders, remainders as fractions

Not covered: graphing I suggest doing some just for fun math on Easy Peasy and do days 31 through 34 on Math 4.