

# Kindergarten Math Vocabulary

## Mastery List

2009-2010

---

### Number, Operation, and Algebra

count  
one, two, three, four, five, six, seven,  
eight, nine, ten, eleven,  
twelve, thirteen, fourteen, fifteen,  
sixteen, seventeen, eighteen, nineteen,  
twenty  
first, second, third, fourth, fifth, sixth  
plus (add)  
take away (subtract/minus)  
equals  
in all, left over  
pattern  
forward, backward  
up, down  
sideways  
square, triangle, rectangle, circle, hexagon,  
oval  
red, yellow, blue, green  
large (big), small

### Measurement

length  
weight  
long, short  
longer, shorter  
longest, shortest  
light, heavy  
lighter, heavier  
lightest, heaviest  
smooth, rough  
bigger, smaller  
curved, straight

### Geometry

square, triangle, rectangle, circle, hexagon,  
oval  
red, yellow, blue, green  
large (big), small  
sphere, cube, cylinder

# First Grade Math Vocabulary

## Mastery List

2009-2010

---

### Number and Operation

compare  
order  
digit  
sequence  
group  
tens, ones  
identify  
whole number  
penny, nickel, dime, value, collection  
quantity

### Geometry

shapes  
attributes  
sides, round, corner  
symmetry  
congruent  
right triangle  
rectangular prism  
triangular prism

### Number, Operation, and Algebra

add: addition, plus  
subtraction: minus  
facts  
equals  
solve  
number line  
measure  
inverse (addition/subtraction)  
create  
pattern  
extend  
missing element

# Second Grade Math Vocabulary

## Mastery List

### 2009-2010

---

#### Number and Operation

place value  
hundreds, thousands  
more or less  
greater than (bigger), less than (smaller)  
compare, comparing  
order  
estimate, estimation, estimating  
observe  
describe  
addition  
subtraction  
regroup  
expanded form  
standard form  
multit-digit: single digit, double digit, triple digit

#### Measurement

length  
equal length  
centimeter(s)  
inch(es)  
yard(s)  
feet, foot  
standard units of measure  
minute(s), hour(s)  
day(s), week(s), month(es), year(s)  
analog, digital

#### Number, Operation, and Algebra

compare, comparing  
addition: sum  
subtraction: difference  
equation  
problem solving  
strategy  
graph  
probability  
quantity  
solution  
operations  
estimate, estimation, estimating  
calculate  
quarter, dollar

# Third Grade Math Vocabulary

## Mastery List

### 2009-2010

---

#### **Calculations and Estimations**

word form  
digit  
order  
whole number  
equal to  
greater than, less than  
place value  
hundreds, thousands, ten thousands  
fraction  
numerator, denominator  
equivalent  
identify  
half (halves), thirds, fourths, eighths, tenths  
locate  
number line  
regroup  
strategy  
sum, difference  
multiply: multiplication, times  
factor, product  
array  
how many, how many more, in all,  
altogether  
estimate  
round  
commutative property, associative  
property  
parentheses

#### **Measurement**

liter, milliliters  
meter, centimeter, decimeter, kilometer  
gram, kilogram  
length, width, weight  
volume  
elapsed time  
a.m., p.m.

second, minute, hour  
nearest

#### **Statistics and Probability**

mode, range  
data  
line plot, bar graph, tally table, pictograph,  
survey  
results  
scale (graph)  
key (graph)  
classify  
horizontal, vertical  
predict, infer  
pattern (numeric and geometric)  
pattern rule  
sequence  
symbol  
operation

#### **Algebraic Relationships**

pattern  
rule  
sequence  
symbol  
problem solving  
operation

#### **Geometry**

compare, classify  
three-dimensional  
cube, prism, cone, cylinder  
circle, triangle, square, rectangle, polygon,  
trapezoid, rhombus, hexagon  
face, edge  
vertex/vertices  
line symmetry, rotational symmetry

# Fourth Grade Math Vocabulary

## Mastery List

### 2009-2010

---

#### **Calculations and Estimations**

period (family)  
standard form, expanded form  
hundred thousand, million  
compare  
mixed number  
simplest form  
like/unlike fractions  
even, odd  
value  
place holder  
decimal, decimal point  
tenths, hundredths  
point (number line)  
rows, columns  
equal groups  
divide  
quotient, divisor, dividend  
remainder  
equal parts/evenly  
reasonable  
predict, test  
about  
overestimate, underestimate, range of  
estimates  
rounding  
possible,  
exact  
solve, check  
inverse operation

#### **Measurement**

measurement  
perimeter  
height  
pyramid, cube  
cubic units  
capacity  
pounds (lb), ounces (oz), pint, gallon  
cup, quart  
inch(es), foot/feet, yard(s), mile(s)  
conversion(change), convert

day, week, month  
year, decade, century  
schedule  
temperature, thermometer  
Fahrenheit, Celsius  
degrees  
area  
square units

#### **Statistics and Probability**

probability  
predict  
median  
event, outcome  
odds  
likely, unlikely  
certain, impossible, most/least often

#### **Algebraic Relationships**

variable  
patterns  
sequences  
missing element  
inequality  
input, output  
equation  
expression  
function

#### **Geometry**

perimeter  
congruent  
quadrilateral, parallelogram, rhombus,  
trapezoid  
parallel, non-parallel  
acute angle, obtuse angle, right angle (90  
degrees)  
coordinates  
ordered pair (points)  
x-axis, y-axis, x-coordinate, y-coordinate  
transformation: reflection, translation,  
rotation  
90 degrees, 180 degrees, 270 degrees, 360  
degree

# Fifth Grade Math Vocabulary

## Mastery List

### 2009-2010

---

#### **Calculations and Estimations**

fraction  
numerator, denominator  
equivalent  
decimal, decimal point  
tenths, hundredths, thousandths  
percentage  
prime number, composite number  
even, odd  
square number  
divide, quotient  
shared evenly  
mixed number, whole number  
determine  
order of operations  
underestimate, overestimate, range of estimates  
about, approximately  
inverse operation  
commutative property, associative property, identity property, distributive property

#### **Measurement**

convert  
express  
unit of measure  
centimeter, tenth centimeter, tenth meter  
degree, 90 degrees, 45 degrees  
formula  
parallelogram  
area  
gram, kilogram, kilometer  
reasonable

#### **Statistics and Probability**

related sets  
mean, media, mode  
range (spread)  
probabilities  
data collection  
sample  
analyze

circle graph, line plot, bar graph, tally table  
category  
represents  
draw conclusions

#### **Algebraic Relationships**

analyze  
table  
algebraic expression  
function  
variable "x"  
pattern  
equation  
unknown quantity  
solve for x  
coordinate graph  
constant rate of change  
varying rate of change

#### **Geometry**

angle  
acute angle, right angle, obtuse angle  
scalene triangle, isosceles triangle, equilateral triangle  
perimeter  
180 degrees  
Three-dimensional, two-dimensional  
coordinate  
shortest path  
horizontal, vertical  
x-axis, y-axis  
symmetrical  
line symmetry, rotational symmetry  
congruent