

NUMBERS AND OPERATIONS

Extend the counting sequence.

Recognize, read, and write numbers 120.*	m
Recognize, read, and write numbers to 1000.	D
Understand natural counting.	D

Recognize, read, and write numbers in fractions:

One half, one third, one fourth.	D
Fifths through tenths.	I
Inequalities.	I

Recognize, read, and write decimals:

Money in dollars and cents.	D
Number words zero to ten.	D
Number words zero to twenty.	I
Decade words.	D

Sequence numbers (counting skills):

Count by ones:	
to 100	m
to 1000.	I
Count from any given number to 100.	M
Count backward from 10.	m
Count backward from 20.	I
Count backward from any given number up to 100.	I

Skip count from any given number:

By tens.	M
By twos and fives.	D
By hundreds.	I
Use ordinal numbers to identify location.	m

Identify a specific object in a collection

Connect ordinal number to cardinal number:	
First through tenth.	m
Eleventh through twentieth.	M
Count on.	M

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Date Completed

Compare sets, numbers:

Using 1:1 correspondence.	M
To identify "more than," "less than," and "equal to".	M
To equalize sets.	M

Use signs of equality and inequality:

=	D
<, >, not =	I
Comparing and ordering odd and even numbers.	I

Understand place value

Recognize, read, understand and write place value*:

To the left of the decimal point:

One digit.	m
Two digits.	M
Three digits.	I
comparisons with the symbols >, =, and <	I

Use place value understanding and properties of operations to add and subtract.

Perform operations using whole numbers and integers.

Add.

Estimate.	D
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Find sums (of whole numbers):

Compute sums to 9 using manipulative.	m
Compute sums to 18 using manipulatives.	M
Master facts to 5.	m
Master facts to 12.	M
Develop facts to 18.	D
Define addend and sum.	I

Compute, no regrouping:

3 addends, 1 digit numbers.	D
4 or more addends, 1 digit numbers.	I

Compute with regrouping:

2 or more 2 digit numbers.	I
Dollar and cents.	I
Using the number line.	M
Using commutative property.	D
Using mental math.	D

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Subtract.

Estimate.	D
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Find differences (of whole numbers):

Compute differences from 9 using manipulative.	m
Compute differences from 18 using manipulatives.	M
Master facts to 5.	m
Master facts to 12.	M
Master facts to 18.	D
Define subtrahend, minuend, difference.	I
Compute multi-digit numbers with no regrouping.*	D
Using the number line.	M
Using mental math.	D

Recognize, read, and write Fractions

Equal parts of a whole.	D
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ALGEBRA

Draw logical conclusions and communicate reasoning:

Using simple materials.	D
Using technology.	D

Understand patterns and relations:

By observing, describing, comparing, and creating.	D
By sorting and classifying by characteristics.	D
By predicting what comes next and identifying the missing element.	D
By distinguishing between growing and repeating patterns.	D
By representing information numerically, graphically, and verbally.	D
By discussing/analyzing change.	D
To identify patterns.	D

MEASUREMENT

Measure lengths indirectly and by iterating length units.

Use manipulative materials to model concepts of measurement.	D
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Measure geometric figures*:

Compare, order objects without measuring tools.	M
Measure distance, length, and height.	M
Measure capacity, weight.	M

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Measure mass.	M
Compare objects using nonstandard units (i.e.. Length, weight, capacity, etc.).	m

Compare and/or order objects using appropriate units:

U.S. customary system.

Length: inch, 1/2 inch, 1/4 inch.	I
Length: foot, yard.	M
Capacity (cup, pint, quart, gallon).	I
Weight (ounce, pound, ton).	I
Conversions within system.	I
Temperature Fahrenheit.	I

Metric system

Length: millimeter, centimeter, decimeter, meter.	I
Temperature Celsius.	I

Determine proper tool for use of measurement:

Ruler.	M
Thermometer.	M

Time

Recognize, read, and write time:

Months, days of the week.	M
Hour, half hour.*	M
Half past, quarter past, quarter to.	I
Five minute intervals.	I
Digital, analog time.	D
Sequence of events, timelines.	D
Elapsed time, duration without changing units.	D

Money

Recognize, tell, and count money:

Penny, nickel, dime, dollar.	M
Quarter, half dollar.	I
Five and ten dollar bill.	I
Make change.	I

GEOMETRY

Identify and describe shapes*

Identify objects by name and location:*

Above, below, before, after, between.	M
Inside, outside, nearest, farthest.	M
Left, right, North, South, East, West.	D

Investigate and predict the result of:

Slide, turn.	D
Changing shapes.	M
Flip.	D
Describe, model, draw, and classify point.	D

Describe, model, draw, and classify plane figures*

Triangles.	m
Quadrilaterals	I
square, rectangles.	m
Pentagons, hexagons, octagons.	D
Ellipse (oval).	m
Circles.	M
Identify semicircle (half circle).	m

Identify solid figures:

Cube, cylinder, sphere, cone.	D
Symmetry, congruency.	D

Construct convincing arguments and proofs to solve problems using geometric figures and patterns.

STATISTICS AND PROBABILITY

Discuss and analyze change:

By measuring and comparing quantities.	D
By using tables and graphs.	D
Collect and describe data.	D

Organize and construct data.

Identify, draw, label, and analyze:

Real graph (using actual objects).	D
Picture graph, bar graph.	D
Venn Diagram.	D

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Determine the probability of:

Single event.	D
Permutations, combinations.	I

Format Questions.

Conduct experiments, surveys.	D
Demonstrate data collection methods.	D

PROBLEM SOLVING

Analyze and plan the problem determining the appropriate strategy by:

Drawing pictures.	D
Creating original problems.	D
Determining if sufficient information present to solve.	D
Using tables, charts, graphs, and diagrams.*	D
Using Trial and error.	D
Working backwards.	D
Sorting, classifying, and using patterns.	D
Estimation.	D
Choosing correct operation.	D
Checking reasonableness.	D
