

**Fifth Grade *Everyday Mathematics*
Learning Goals - Units 1 through 12**

Learning Goal By Assessment Rubric Indicators	
Secure	Unit
Draw arrays to model multiplication	1
Know basic multiplication facts	1
Identify even and odd numbers	1
List the factors of a number	1
Find the sum and difference of multidigit whole numbers and decimals	2
Identify the maximum, minimum, mode and mean for a data set	2
Identify place value in numbers to billions	3
Know properties of polygons	3
Define and create tessellations	3
Know place value to hundredths	4
Find and use data landmarks	6
Convert among fractions, decimals and percents	8
Convert between fractions and mixed or whole numbers	8
Find common denominators	8
Understand the concept of area of a figure	9
Use a formula to find the area of rectangles	9
Use formulas to find the areas of polygons and circles	11
Know the properties of geometric solids	11
Find and identify factors of numbers	12
Find the prime factorizations of numbers	12
Developing/Secure	Unit
Use a divisibility test to determine if a number is divisible by another number	1
Identify prime and composite numbers	1
Understand how square numbers and their square roots are related	1
Make magnitude estimates	2
Find the product of multidigit whole numbers and decimals	2
Know place value to billions	2
Estimate the measure of an angle	3
Measure an angle to within 2°	3
Identify types of angles	3
Identify types of triangles	3
Convert between fractions and mixed numbers	5
Find equivalent fractions	5
Convert among fractions, decimals, and percents	6
Understand and apply exponential notation	7
Identify number sentences; tell whether a number	7

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sentence is true or false	
Understand and apply the use of parentheses in number sentences	7
Order and compare positive and negative numbers	7
Use an algorithm to add mixed numbers	8
Order and compare fractions	8
Plot ordered pairs on a one-quadrant coordinate grid	9
Identify the base and height of triangles and parallelograms	9
Use a formula to find the area of triangles and parallelograms	9
Solve one-step pan-balance problems	10
Interpret mystery line plots and graphs	10
Use formulas to find the volume of prisms and cylinders	11
Solve ratio and rate number stories	12
Developing	Unit
Round numbers to designated places	2
Determine angle measures based on relationships between angles	3
Find the quotient and remainder of a whole number divided by a 1-digit whole number	4
Find the quotient and remainder of a whole number divided by a 2-digit whole number	4
Make magnitude estimates for quotients of whole and decimal numbers divided by whole numbers	4
Interpret the remainder in division number stories	4
Determine the value of a variable; use this value to complete a number sentence	4
Order and compare fractions	5
Convert between fractions and percents	5
Draw a circle graph for a set of data	5
Measure pieces of a circle graph; interpret a circle graph	5
Add and subtract fractions with common denominators	6
Add and subtract fractions with unlike denominators	6
Understand how sample size affects results	6
Find a common denominator	6
Understand and apply powers of 10	7
Understand and apply order of operations to evaluate expressions and solve number sentences	7
Add and subtract positive and negative numbers	7
Use an algorithm to multiply fractions	8
Use an algorithm to subtract mixed numbers with like denominators	8
Find a percent of a number	8

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Plot ordered pairs on a four-quadrant coordinate grid	9
Understand the concept of volume of a figure	9
Use a formula to find the volume of prisms	9
Write algebraic expressions to describe situations	10
Represent rate problems as formulas, graphs, and tables	10
Use formulas to find circumference and area of a circle	10
Distinguish between circumference and area of circle problems	10
Find the greatest common factor of two numbers	12
Find the least common multiple of two numbers	12
Beginning/Developing	Unit
Rename numbers written in exponential notation	1
Add fractions with like denominators	5
Construct stem-and-leaf plots	6
Read and interpret stem-and-leaf plots	6
Understand and apply scientific notation	7
Use the Multiplication Counting Principle to find the total number of possible outcomes of a sequence of choices	12
Beginning	Unit
Find the prime factorization of numbers	1
Write and solve open sentences for number stories	2
Divide decimal numbers by whole numbers with no remainders	4
Write and solve number sentences with variables for division number stories	4
Use an algorithm to multiply mixed numbers	8
Solve two-step pan-balance problems	10
Understand the relationship between the volume of pyramids and prisms, and the volume of cones and cylinders	11
Find the surface area of prisms	11
Understand how to find the surface area of cylinders	11
Understand the concept of capacity and how to calculate it	11
Use tree diagrams to find all possible ways a sequence of choices can be made	12
Compute the probability of outcomes when choices are equally likely	12