

Grade Five
Subject area: Mathematics

Number Operations and Relationships	Q1	Q2	Q3	Q4
Identify place value to billions	P			
Know exponential notation for powers of 10	I			
Compare and order whole numbers	P			
Rounding whole numbers	P			
Identify place value to ten thousandths	I			
Compare and order decimals	I			
Round decimals to the nearest tenth, hundredth and thousandth	I			
Add / Subtract whole numbers	P			
Relate addition and subtraction of whole numbers	P			
Estimate sums	P			
Estimate differences	P			
Add and subtract decimals	P			
Compare addition and subtraction of decimals	P			
Use mental math to find powers of 10	P			
Use mental math to find multiplication facts	P			
Estimate products	P	P		
Use mental math to find a one digit multiplication by 2 digits	P			
Find factors of a number	D	D	D	
Multiply a 2-digit number by a 2 digit number		P		
Multiply a 3-digit number by a 3 digit number		D		
Multiply a 3-digit number by a 2, 3 and 4 digit number		D		
Relate multiplication and division		D		
Compare addition, subtraction and multiplication		D		
Order of operations		I		
Estimate quotients		D		
Know Divisibility rules for 2, 5, 10, 3, 4, 6, 9		I		
Use mental math to find division facts		P		
Divide by one-digit divisors		P		
Divide by two-digit divisors		D		
Multiply decimals by 10, 100, 1000			P	
Multiply decimals by whole number			P	
Estimate products of decimals			P	
Divide decimals by 10, 100, 1000			P	
Divide decimals using money			P	
Identify prime numbers 1-50			I	
Identify composite numbers 1-50			I	
Find the GCF in a number pair			I	
Find multiples of a number			D	
Find the LCM of a number pair			D	
Relate fractions and decimals			D	
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Relate fractions to $\frac{1}{2}$ and one			P	
Fractions greater than one			I	
Write equivalent fractions			D	P
Write fractions in simplest form			D	P
Compare and order fractions and mixed numbers			I	
Add fractions and mixed numbers with like denominators				P
Add fractions and mixed numbers with unlike denominators				D
Subtract fractions and mixed numbers with like denominators				P
Subtract fractions and mixed numbers with unlike denominators				D
Estimate sums and differences of fractions and mixed numbers				I
Find a fraction of a whole number				I
Multiply fractions and whole numbers				I
Simplify fractions				D
Divide fractions				I
Understand and write ratios				I
Find equivalent ratios				I
Explore percent using a hundred grid				I
Relate percents, decimals and fractions				I
Geometry	Q1	Q2	Q3	Q4
Identify a line, ray, segment, point, plane		P		
Construct a line		P		
Construct a ray		P		
Construct a segment		P		
Classify angles as right, obtuse, acute, straight			P	
Measure and draw a right angle, obtuse angle, obtuse angle, acute angle, straight angle			D	
Identify triangles as equivalent, right, isosceles, scalene, acute, obtuse			D	
Identify quadrilaterals: square, rectangle, parallelogram, trapezoid			P	
Identify polygons: pentagon, hexagon, octagon			P	
Draw triangles: equivalent, right, isosceles, scalene with a straight edge			D	
Draw quadrilaterals: square, rhombus, rectangle, parallelogram, trapezoid			P	
Draw polygons: pentagon, hexagon, octagon			D	
Find sum of angles of a triangle			I	
Define congruent and similar shapes			P	
Identify congruent and similar shapes			P	
Compare 2-dimensional figures (quadrilaterals, pentagon, hexagon, octagon)			D	
Identify a circle, radius, diameter, chord			D	
Construct a circle, radius, diameter, chord			D	
Identify multiple lines of symmetry for a figure			P	
Identify solid figures: prisms, pyramids, cone, cylinder, sphere			P	
Compare 3-dimensional figures: prism, pyramid, cone, cylinder, sphere			P	
Identify properties of geometric solids: face, vertex, base, height, edge			P	
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Estimate, compare and measure perimeters of triangles, quadrilaterals, polygons				D
Estimate, compare and measure areas of squares, rectangles				D
Estimate, compare and measure areas of parallelograms, triangles				D
Estimate, compare, and measure volumes of solid figures				I
Probability and Statistics	Q1	Q2	Q3	Q4
Collect, organize and represent data to draw logical conclusions	P			
Compare and contrast information on graphs and tables	P			
Find median, range, mode	P			
Find mean		P		
Explore probability of an event based on an experiment				P
Use simple models to conduct probability experiments				P
Predict outcomes of future events and test predictions				P
Use ratios to find the probability that events are likely to occur				D
Measurement	Q1	Q2	Q3	Q4
Determine unit rates				P
Explore proportion in scale drawings				D
Add, subtract, convert units of time: hour, day, week, year, decade, century				P
Determine elapsed time and dates				P
Define the terms: length, weight, mass, capacity, volume				P
Convert customary units of length: inch, feet, yard, mile				P
Convert customary units of capacity: ounce, cup, pint, quart, gallon				P
Convert customary units of weight, ounce, pound, ton				P
Convert metric units of length: meter				D
Convert metric units of capacity: liter				D
Convert metric units of weight: gram				D
Identify appropriate temperature using Celcius and Fahrenheit degrees				D
Find temperature changes with negative numbers				D
Identify practical uses of negative numbers				D
Estimate, compare length accurately to the nearest 1/8 th inch, foot, centimeter, meter				P
Algebraic Relationships	Q1	Q2	Q3	Q4
Find missing factors in equations	D	D	P	P
Name ordered pair on a coordinated grid	D		P	
Plot ordered pair on a coordinate grid	D		P	
Substitute a value for a variable	D	D	P	P
Find number patterns	D	P	P	
Use arrays to solve problems	D	P		P
Create number stories from math expressions	D	D		P
Translate number stories into expressions	D	D		D
Solve number sentences involving parentheses		I	D	D
Find missing numbers in equivalent fractions			I	D
Find missing numbers in proportions			I	D
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