Units	STANDARD	OBJECTIVES (What it looks like in the classroom) The learner will …	DATES TAUGHT	ASSESSMENT TYPE (classroom, MAPS, objective, subjective, project, etc.)	RESOURCES (Materials, web sites, auto-visual, print) LEARNING ACTIVITIES
Number	6.1	Students will communicate number sense concepts using multiple representations to reason, solve problems. and make connections within mathematics and across disciplines.	Aug - May	MAP, summative, objective, formative, cumulative, classroom	• Textbook: McGraw Hill/Glencoe Math Course 1 • Brain Pop/Virtual Nerd • IXL • Compass • Kahoot • Mobi Max • Prodigy • Kuta Software, • www.khanacademy.org, • Hands-on Activites/Games
Numeric Relationships	6.1.1	Students will demonstrate, represent, and show relationships among fractions, decimals, percents, and integers within the base-ten number system.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• Chapter 2 • Chapter 5
	6.1.1.a	Students will determine common factors and common multiples using prime factorization of numbers with and without exponents.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: E5, E6, E7, E8, E9, Y7 • Textbook pages: 7-13, 88 • Compass

	6.1.1.b	Students will represent non-negative whole numbers using exponential notation.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: E1, E2 • Textbook pages: 433-440
	6.1.1.c	Students will compare and order rational numbers both on the number line and not on the number line.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: M.2. M.4, M.5, M.6, P.1, P.2, P.6 • Textbook pages: 343–344, 345–352, 355–362, 375–378, 387–394, 395–402, 403–410
	6.1.1.d	Students convert among fractions, decimals, and percents using multiple representations.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: F.4, I.10, S.1, S.2, S.3 • Textbook pages: 89-95, 97-100, 101-107, 109-116, 118-123
	6.1.1.e	Students will determine ratios from drawings, words, and manipulatives.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: R.1, R.2, R.5 • Textbook pages: 15-18, 19-26, 27-30, 31-37
	6.1.1.f	Students will explain and determine unit rates.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: R.7, R.9 • Textbook pages: 27–30, 31–38, 39–46, 59–66, 67–70, 71–78
	6.1.1.g	Students will model integers using drawings, words,	Aug - Dec	MAP, summative, objective,	• IXL: M.1, M.2, M.4, M.5, N.1, N.3 • Textbook pages: 346-352, 363-370

		manipulatives, number lines and symbols.		formative, cumulative, classroom	
	6.1.1.h	Students will compare and order integers and absolute value both on the number line and not on the number line.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: M.2, M.3 • Textbook pages: 353–354, 355–362, 363–370
	6.1.1.i	Students will determine absolute value of rational numbers.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: M.3, P.3 • Textbook pages: 353–354, 355–362, 363–370, 375–378, 387–394
Operations	6.1.2	Operations: Students will compute with fractions and decimals accurately.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• Chapter 3 • Chapter 4 • Chapter 6
	6.1.2.a	Students will multiply and divide non-negative fractions and mixed numbers.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: K.6, K.8, K.10 K.11, L.5, L.7 • Textbook pages: 265-271, 273-279, 281-287, 289-295, 301-304, 305-311, 313-316, 317-323, 325-332, 336
	6.1.2.b	Students will evaluate expressions with positive exponents.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: D.2, D.3, D.4, D.5 • Textbook pages: 433-440, 441-448

	6.1.2.c	Students divide multi-digit whole numbers using the standard algorithm.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL:C.1, C.2, C.3, C.4, C.5, C.6, O.1, O.2 • Textbook pages: 215–222, 223–230
	6.1.2.d	Students will add, subtract, multiply and divide decimals using the standard algorithm.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: G.1, G.2, G.3, G.4, H.1, H.2, H.3, H.4, H.5, H.6, H.7, H.8, O.4, O.5 • Textbook pages: 177–184, 193–200, 201–208, 209–210, 211–213, 231–238, 239–246, 433–440
	6.1.2.e	Estimate and check reasonableness of answers using appropriate strategies and tools.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: B.8, C.4, G.3, H.1 J.8, K.4, K.9, L.6, Q.1, Q.3, T.1, T.2, CC.3 • Textbook pages: 137-143, 185-191, 223-229, 257-264
Algebra	6.2	Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Aug - May	MAP, summative, objective, formative, cumulative, classroom	• Textbook: McGraw Hill/Glencoe Math Course 1 • Brain Pop/Virtual Nerd • IXL • Mobi Max • Prodigy • Kahoot/Quizlet • Kuta Software • www.khanacademy.org, • Hands-on Activites/Games
Algebraic Relationships	6.2.1	Students will demonstrate, represent, and show relationships	Aug - Dec	MAP, summative, objective,	• Chapter 6 • Chapter 8

		with expressions, equations, and inequalities.		formative, cumulative, classroom	
	6.2.1.a	Students will create algebraic expressions (e.g., one operation, one variable as well as multiple operations, one variable) from word phrases.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: Z.3 • Textbook pages: 457–460, 461–468
	6.2.1.b	Students will recognize and generate equivalent algebraic expressions involving distributive property and combining like terms.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL:Y.10, Y.13, Y.14, Y.15 • Textbook pages: 476–480, 481–484, 485–492, 495–502
	6.2.1.c	Students will represent and analyze the relationship between two variables using graphs, tables, and one-step equations.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: BB.5, BB.6, BB.7, BB.8, BB.9, BB.10 • Textbook pages: 579-586, 587-594, 595-602, 603-610
Algebraic Processes	6.2.2	Algebraic Processes: Students will apply the operational properties when evaluating expressions, and solving equations and inequalities.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• Chapter 6 • Chapter 7 • Chapter 8

	6.2.2.a	Students will simplify expressions using the distributive property and combining like terms	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL:Y.8, Y.9, Y.10, Y.13 • Textbook pages: 474-480, 481-484, 485-492, 493-494, 495-502
	6.2.2.b	Students will use subtitution to determine if a given value for a variable makes an equation or inequality true.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: Z.1, Z.2 Z.6 AA.1, AA.4 • Textbook pages: 513–520, 521–524, 525–532, 533–534, 535–542, 547–550, 551–558, 559–560, 561–568, 615–616, 617–624, 633–634, 635–642
	6.2.2.c	Students will evaluate numerical expressions, including absolute value and exponents, with respect to order of operations.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: D.2, D.3, D.4, D.5, M.3, O.3, O.6, O.9, O.11 • Textbook pages: 442-447, 450-455
	6.2.2.d	Students will give the value of the varible, evaluate algebraic expressions (which may include absolute vaue) with respect to order of operations (non-negative rational numbers).	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL:O.3. T.10, Y.3, Y.4, Y.5, BB.5 • Textbook pages: 449–456, 461–468, 579–586, 587–594
	6.2.2.e	Student will solve one-step equations with non-negative rational numbers using addition, subtraction,	Aug - Dec	MAP, summative, objective, formative,	• IXL:R.11, Z.6, Z.7, Z.8, • Textbook pages: 514-519, 521-524, 525-532, 533-534, 535-541, 547-550, 551-557, 559-560, 561-567

		multiplication and division		cumulative, classroom	
	6.2.2.f	Students will use equivalent ratios relating quantities with whole numbers to create a table. Find missing values in the table.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: R.3, R.5, R.6 • Textbook pages: 39-45
	6.2.2.g	Students will represent inequalities on a number line (e.g., graph x>3).	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: M.5 • Textbook pages: 615–616, 617–624, 625–632, 633–634, 635–642
Applications	6.2.3	Students will solve real-world problems involving ratios, unit rates, and percents	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• Chapter 1 • Chapter 2 • Chapter 3 • Chapter 7
	6.2.3a	Students will write equations (e.g., one opertion, one variable) to represent real-world problems involving non-negative rational numbers.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: Z.4, Z.5, Z.6, Z.7, Z.8 • Textbook pages: 521-523, 525-531, 533-534, 535-541, 547-550, 551-557, 559-560, 561-567
	6.2.3.b	Students will solve real-world problems involving non-negative rational numbers.	Aug - Dec	MAP, summative, objective, formative,	• IXL: O.2, O.5, O.8 • Textbook pages: 177, 180-183, 193, 196-199, 201, 204-207, 215, 218-221, 231, 233-237, 239, 242-245, 265-271,

				cumulative, classroom	273, 276-279, 281, 284-287, 308
	6.2.3.c	Students will solve real-world problems involving percents of numbers.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: S.4, S.5, S.8 • Textbook pages: 103-107, 132-135, 145-146, 147-153, 155-161
	6.2.3.d	Students will solve real-world problems using ratios and unit rates.	Aug - Dec	MAP, summative, objective, formative, cumulative, classroom	• IXL: R.7, R.9 • Textbook pages: 15-18, 19-25, 27-30, 31-37, 67-70, 71-77, 289-295
GEOMETRY	6.3	Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Aug -May	MAP, summative, objective, formative, cumulative, classroom	• Textbook: McGraw Hill/Glencoe Math Course 1 • Brain Pop/Virtual Nerd • IXL • Kahoot • Mobi Max • Prodigy • Kuta Software, • www.khanacademy.org, • Hands-on Activites/Games
Characteristics	6.3.1	Students will identify and describe geometric characteristics and create two- and three-dimensional shapes	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• Chapter 10

	6.3.1.a	Students will identify and create nets to represent two-dimensional drawings of prisms, pyramids, cylinders and cones	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• IXL: EE.3 • Textbook pages: 759–762, 763–770, 771–772, 773–780, 781–782, 783–790
Coordinate Geometry	6.3.2	Students will determine location, orientation, and relationships on the coordinate plane.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• Chapter 1 • Chapter 5
	6.3.2.a	Students will identify the ordered pair of a given point in the coordinate plane.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• IXL X.1, X.2, X.4 • Textbook pages: 46, 412
	6.3.2.b	Students will plot the location of an ordered pair in the coordinate plane.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• IXL: X.2 • Textbook pages: 47-53, 58, 394, 396-402, 403-409
	6.3.2.c	Students will identify the quadrant of a given point in the coordinate plane.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• IXL: X.1, X.2, X.3, X.4 • Textbook pages: 396-402, 411–414, 705–712
	6.3.2.d	Students will draw polygons in the	Jan -May	MAP, summative,	• IXL: CC.7, DD.3, DD.4, DD.5 • Textbook pages: 705–712

		coordinate plane given coordinates for the vertices.		objective, formative, cumulative, classroom	
	6.3.2.e	Students will calculate vertical and horizontal distances in the coordinate plane to find perimeter and area.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• IXL: X.5 • Textbook pages: 705–712
Measurement	6.3.3	Students will perform and compare measurements and apply formulas.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• Chapter 9 • Chapter 10
	6.3.3.a	Students will determine the area of quadrilaterals, including parallelograms, trapezoids, and triangles by composition and decomposition of polygons as well as application of formulas.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• IXL: FF.2, FF.3, FF.4, FF.5, FF.6, FF.10 • Textbook pages: 657–660, 661–668, 669–672, 673–680, 681–684, 685–692, 699–703, 707–712
	6.3.3b	Students will determine the surface area of rectangular prisms and triangular prisms using nets.	Jan -May	MAP, summative, objective, formative,	• IXL: EE.3, FF.15, FF.16 • Textbook pages: 759–762, 763–770, 771–772, 773–779

				cumulative, classroom	
	6.3.3.c	Students will apply volume formulas for rectangular prisms.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• IXL: FF.14 • Textbook pages: 735–738, 739–746, 755–757
DATA	6.4	Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	Aug -May	MAP, summative, objective, formative, cumulative, classroom	• Textbook: McGraw Hill/Glencoe Math Course 1 • Brain Pop/Virtual Nerd • IXL • Kahoot • Mobi Max • Prodigy • Kuta Software, • www.khanacademy.org, • Hands-on Activites/Games
Representations	6.4.1.	Students will create displays that represent data.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• Chapter 12
	6.4.1.a	Students will represent data using line plots, dot plots, box plots, and histograms.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• IXL: GG.3, GG.4, GG.12, GG.14, GG.15, GG.16, GG.17, GG.19 • Textbook pages: 863–870, 871–878, 879–886,887–889, 899–900
	6.4.2	Analysis & Applications:	Jan -May	MAP, summative,	• Chapter 11 • Chapter 12

		Students will analyze data to address the situation.		objective, formative, cumulative, classroom	
	6.4.2.a	Students will solve problems using information presented in line plots, dot plots, and histograms.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• IXL: GG.3, GG.4, GG.12, GG.14, GG.15, GG.16, GG.17, GG.19 • Textbook pages: 863-869, 871-877, 879-885, 887-889, 890, 891-897, 899-900
	6.4.2.b	Students will compare and interpret data sets based upon their graphical representation (e.g., center, spread, and shape.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• IXL: GG.4, GG.18, GG.19 • Textbook pages: 879–886, 891–898
	6.4.2.c	Students will find and interpret the mean, median, ,mode, and range for a set of data.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• IXL: HH.1, HH.2 • Textbook pages: 809-815, 817–824, 829–836, 845–852
	6.4.2.d	Students will compare the mean, median, mode, and range from two sets of data.	Jan -May	MAP, summative, objective, formative, cumulative, classroom	• IXL: HH.1, HH.2, • Textbook pages: 819-823, 831-835, 839-841
Probability	6.4.3	Students will interpret and apply concepts of probability.	Jan -May	MAP, summative, objective, formative,	IXL: II.1, II.2, II.3, II.4, II.5, II.6, II.7 Textbook pages:

				cumulative, classroom	