84680 Ratio and Proportions: Ratios and Problem Solving

Objective		Page	Title
Name ratios to compare two quantities from pictures or drawings.	6.RP.A.1	1	Three-Way Ratios
Name ratios to compare two quantities from pictures or drawings.	6.RP.A.1	2	Riding Ratios
Name ratios as fractions to compare two quantities from pictures or drawings.	6.RP.A.1	3	Tasty Ratios
Solve comparison problems using information from tables.	6.RP.A.1	4–5	Student Ratios
Name ratios to compare two quantities in drawings.	6.RP.A.1	6	Sports Ratios
Name equal ratios for given ratios by multiplying terms by the same nonzero numbers.	6.RP.A.1	7	Equal Ratios
Name equal ratios for given ratios by multiplying terms by the same nonzero numbers.	6.RP.A.3a	7	Equal Ratios
Complete equivalent ratio tables.	6.RP.A.3a	8–9	Ratio Tables
Name equal ratios for given ratios by dividing terms by the same nonzero numbers.	6.RP.A.1	10	More Equal Ratios
Name equal ratios for given ratios by dividing terms by the same nonzero numbers.	6.RP.A.3a	10	More Equal Ratios
Name unit rates for given rates by forming equal ratios.	6.RP.A.2	11	A Unit Is One
Express situations using rates.	6.RP.A.2	12	How Does It Rate?
Determine unit rates.	6.RP.A.2	13	Unit Rates
Graph ratio tables on coordinate planes.	6.RP.A.3a	14–15	Graphing Ratios
Compare prices using unit rates.	6.RP.A.3b	16–17	Which Is the Better Buy?
Use unit rates to determine unit prices.	6.RP.A.3b	18	Shopping Is Work
Compare prices using unit rates to determine the better buy.	6.RP.A.3b	19	Shopping Takes Time
Solve problems by using rates.	6.RP.A.3b	20–21	Applying Rates
Find percents of numbers using decimals or fractions for the percents.	6.RP.A.3c	22	Percent of a Number
Find percents of numbers.	6.RP.A.3c	23	Per One Hundred
Use proportions to find what percent one number is of another.	6.RP.A.3c	24	And the Percent Is . . .
Use proportions to find the original number when a percent of it is known.	6.RP.A.3c	25	Original Numbers
Use tables to convert between measures.	6.RP.A.3a	26	Table Conversions
Use tables to convert between measures.	6.RP.A.3d	26	Table Conversions
Use proportions to convert between measures.	6.RP.A.3d	27	Conversions with Proportions
Solve percent word problems.	6.RP.A.3c	28–29	Percent Problems
Use conversion factors to convert measurements.	6.RP.A.3d	30	Use Ratio as Conversion Factor
Use tape diagrams to make measurement conversions.	6.RP.A.3d	31	Tape Diagram Conversions
Find measurement conversions.	6.RP.A.3d	32	Ask Yourself

84681 The Number System: Rational Numbers

Objective		Page	Title
Find quotients of whole numbers divided by fractions.	6.NS.A.1	1	Invert It!
Use models to divide fractions.	6.NS.A.1	2–3	Modeling Fraction Division
Solve problems that require division of fractions.	6.NS.A.1	4–5	Problems with Fraction Division
Find quotients of fractions divided by fractions.	6.NS.A.1	6	Division Bonus!
Name integers for given situations.	6.NS.C.5	7	Integers in Your Life!
Name integers for given situations.	6.NS.C.5	8	Keeping a Positive Attitude
Name integers for given situations.	6.NS.C.6a	8	Keeping a Positive Attitude
Complete statements to make zero.	6.NS.C.5	9	Let's Make Zero Happen
Identify opposites.	6.NS.C.6a	10	Find the Opposite
Model integers with number lines.	6.NS.C.6a	11	Following the Line
Model integers with number lines.	6.NS.C.6c	11	Following the Line
Identify points on a coordinate grid given the coordinates and give coordinates of points on a grid.	6.NS.C.6b	12	What's the Point?
Identify points on a coordinate grid given the coordinates and give coordinates of points on a grid.	6.NS.C.6c	12	What's the Point?
Identify the coordinates of points on a coordinate grid.	6.NS.C.6b	13	Coordinate Your Answers!
Identify the coordinates of points on a coordinate grid.	6.NS.C.6c	13	Coordinate Your Answers!

Objective		Page	Title
Identify points on a coordinate grid given the coordinates.	6.NS.C.6b	14–15	Mirror Image
Identify points on a coordinate grid given the coordinates.	6.NS.C.6c	14–15	Mirror Image
Give the coordinates of points on the coordinate grid.	6.NS.C.6c	16	Do You See My Point?
Find absolute values of integers.	6.NS.C.7c	17	Absolutely!
Solve word problems involving zero net change.	6.NS.C.5	18–19	Back to Zero
Compare absolute values of rational numbers.	6.NS.C.7c	20	Absolute Value Comparisons
Compare values and absolute values of rational numbers.	6.NS.C.7d	21	Normal vs. Absolute Comparisons
Use number lines to make sense of absolute value.	6.NS.C.7a	22–23	Absolute Value and Number Lines
Use number lines to make sense of absolute value.	6.NS.C.7d	22–23	Absolute Value and Number Lines
Compare negative numbers and negative scenarios.	6.NS.C.7b	24	Making Sense of Negative Values
Compare and order integers.	6.NS.C.7b	25	Order Up!
Interpret rational number order.	6.NS.C.7b	26–27	Rational Numbers Interpreted
Find distances between points on a coordinate grid.	6.NS.C.8	28	Point to Point
Find distances between points on a coordinate plane.	6.NS.C.8	29	What's the Distance?
Find distances between locations on a coordinate plane.	6.NS.C.8	30–31	Getting Around the City
Find coordinates of locations halfway between 2 locations.	6.NS.C.8	32	Halfway Point

84682 The Number System: Factors and Multiples

Objective		Page	Title
Find quotients of 3-digit numbers divided by 1- and 2-digit numbers.	6.NS.B.2	1	Dividing by 1- and 2-Digit Numbers
Solve problems by using the quotient or by rounding the quotient up or down.	6.NS.B.2	2–3	Quotients
Find estimated quotients of 3- to 5-digit numbers divided by 2-digit numbers.	6.NS.B.2	4	Tell Us About Your Quotient!
Find quotients of 3-digit numbers divided by 2-digit numbers.	6.NS.B.2	5	Dividing by 2-Digit Numbers
Find quotients of 4-digit numbers divided by 1- and 2-digit numbers.	6.NS.B.2	6	Four-Digit Dividends
Find quotients of 4-digit numbers divided by 2-digit numbers.	6.NS.B.2	7	What's Remaining?
Find quotients of 5-digit numbers divided by 2-digit numbers.	6.NS.B.2	8	Bigger Is Better
Find sums of 2 or more decimals through tenths.	6.NS.B.3	9	Tenths Plus Tenths
Find sums of 2 or more decimals through hundredths.	6.NS.B.3	10	Hundredths Plus Hundredths
Find sums of 2 or more decimals through thousandths.	6.NS.B.3	11	Plus Thousandths
Solve word problems involving addition and subtraction of decimals.	6.NS.B.3	12–13	Decimal Encounters
Find differences of 2 decimals through hundredths.	6.NS.B.3	14	Get Rid of Some
Find differences of 2 decimals through thousandths.	6.NS.B.3	15	Thousandths Minus Thousandths
Find products of decimals with hundredths multiplied by decimals through hundredths.	6.NS.B.3	16	Hundredths Times Hundredths
Find products of decimals.	6.NS.B.3	17	Decimals by Decimals
Find products of decimals.	6.NS.B.3	18	Up to Hundredths
Find products of decimals.	6.NS.B.3	19	Make Place with Zeros!
Solve word problems involving decimal operations.	6.NS.B.3	20–21	Price Patrol
Find quotients of decimals with tenths divided by 1-digit whole numbers.	6.NS.B.3	22	Division in Tenths
Find quotients of decimals with hundredths divided by 1-digit whole numbers.	6.NS.B.3	23	Division in Hundredths
Find quotients of decimals with tenths divided by 2-digit whole numbers.	6.NS.B.3	24	Digits, Extended
Find quotients of decimals with hundredths divided by decimals with hundredths.	6.NS.B.3	25	Hundredths, Divided
Find greatest common factors.	6.NS.B.4	26	Greatest Common Factor
Find least common multiples.	6.NS.B.4	27	Least Common Multiple
Solve word problems involving division with decimals.	6.NS.B.3	28–29	Watch Your Steps!
Find greatest common factors and least common multiples.	6.NS.B.4	30	GCF and LCM
Use the Distributive Property to rewrite addition expressions.	6.NS.B.4	31	Distributive Property
Use the Distributive Property to rewrite addition expressions.	6.NS.B.4	32	More Fun with the Distributive Property

Objective		Page	Title

84683 Expressions and Equations: Write, Solve, and Analyze

Objective		Page	Title
Name numbers written as a series of multiplications using exponents.	6.EE.A.1	1	Upgraded Exponents
Solve real-world problems by evaluating expressions and formulas.	6.EE.A.2c	2–3	Evaluate Using Order of Operations
Write and evaluate numeric expressions.	6.EE.A.1	4	Numeric Expressions
Name algebraic expressions for situations involving addition or subtraction of whole numbers.	6.EE.A.2a	5	Express Yourself
Name algebraic expressions for situations involving multiplication or division of whole numbers.	6.EE.A.2a	6	Multiple Expressions
Identify parts of expressions.	6.EE.A.2b	7	More Numeric Expressions
Evaluate given expressions with decimal values.	6.EE.A.2c	8	It All Depends!
Use whole numbers to evaluate given expressions.	6.EE.A.2c	9	What's the Value of This?
Use properties of operations to find equivalent expressions.	6.EE.A.3	10	Equivalent Expressions
Use the Distributive Property to find equivalent expressions.	6.EE.A.3	11	It's All Distributive
Write expressions that represent real-world situations.	6.EE.B.6	12–13	Expressive Situations
Identify equivalent expressions.	6.EE.A.3	14	Another Name for It
Find equivalent expressions.	6.EE.A.3	15	What's Equivalent?
Find equivalent expressions.	6.EE.A.4	15	What's Equivalent?
Generate equivalent expressions from scenarios.	6.EE.A.3	16	Think of It in Another Way
Generate equivalent expressions from scenarios.	6.EE.A.4	16	Think of It in Another Way
Substitute from given sets to find solutions to addition and subtraction equations.	6.EE.B.5	17	Yes, Substitutions!
Substitute from given sets to find solutions to multiplication and division equations.	6.EE.B.5	18	Substitute Teaching
Substitute from given sets to find solutions to inequalities.	6.EE.B.5	19	Inequality Substitutions
Solve equations that represent real-world situations.	6.EE.B.7	20–21	Solutions in the Real World
Use inverse operations to solve addition equations.	6.EE.B.7	22	Balancing Act
Use inverse operations to solve subtraction equations.	6.EE.B.7	23	Take It Away
Use inverse operations to solve multiplication equations.	6.EE.B.7	24	Equations for Everyone
Use inverse operations to solve multiplication equations.	6.EE.B.7	25	More Equations
Match inequalities to stated constraints.	6.EE.B.8	26	Constraint to Inequality
Match inequalities to number line graphs.	6.EE.B.8	27	Graphs of Inequalities
Match inequalities to real-world situations.	6.EE.B.8	28–29	Inequalities in the Real World
Write equations that express one variable in terms of another.	6.EE.B.9	30–31	Dependent and Independent Variables
Write equations that express one variable in terms of another.	6.EE.B.9	32	Dependent or Independent?

84684 Geometry: Problem Solving

Objective		Page	Title
Find areas of right triangles.	6.G.A.1	1	Half Time
Find areas of right triangles.	6.G.A.1	2	Right Triangle Area
Find areas of triangles.	6.G.A.1	3	Half of …
Solve word problems involving areas of triangles.	6.G.A.1	4–5	Triangle Area Problems
Find areas of rectangles.	6.G.A.1	6	What's My Area?
Find areas of parallelograms.	6.G.A.1	7	Parallelograms
Find areas of trapezoids.	6.G.A.1	8	Trapezoids
Find areas of quadrilaterals.	6.G.A.1	9	Quadrilateral Areas
Solve word problems involving areas of quadrilaterals.	6.G.A.1	10–11	Quadrilateral Area Problems
Find areas of irregular figures by combining the areas of their parts.	6.G.A.1	12–13	Irregular Shapes
Solve word problems involving area of composite figures.	6.G.A.1	14–15	Irregular Shape Area Problems
Find volumes with unit cubes and formulas.	6.G.A.2	16–17	Fill Up
Solve word problems involving volumes of rectangular prisms with fractional dimensions.	6.G.A.2	18–19	Fractional Dimension Volume Problems
Analyze polygons in the coordinate plane.	6.G.A.3	20–21	Polygons in the Plane
Find distances between coordinates on a coordinate plane.	6.G.A.3	22	Distance Between Coordinates

Objective		Page	Title
Find distances between 2 points in the coordinate plane, given their coordinates.	6.G.A.3	23	Coordinate to Coordinate
Solve word problems involving finding distances between points on the coordinate plane.	6.G.A.3	24–25	Distance Problems
Use nets to find surface area.	6.G.A.4	26–27	3-D to 2-D
Identify nets for given solids.	6.G.A.4	28–29	Flatten It
Solve word problems involving surface area.	6.G.A.4	30–31	Surface Area Problems
Find surface areas of figures.	6.G.A.4	32	All on the Outside

84685 Statistics and Probability: Variability and Displays

Objective		Page	Title
Define statistics and probability terms.	6.SP.A.1	1	Statistics and Probability Terminology
Define statistics and probability terms.	6.SP.A.2	1	Statistics and Probability Terminology
Define statistics and probability terms.	6.SP.A.3	1	Statistics and Probability Terminology
Distinguish statistical questions from non-statistical questions.	6.SP.A.1	2–3	Statistical Question or Not?
Distinguish statistical questions from non-statistical questions.	6.SP.B.5b	2–3	Statistical Question or Not?
Identify the level of variability between sets of data.	6.SP.A.2	4–5	Examining Variability
Determine measures of central tendency for data sets.	6.SP.A.3	6–7	Measures of Center
Determine measures of central tendency for data sets.	6.SP.B.5c	6–7	Measures of Center
Determine range and distribution shapes of data.	6.SP.A.2	8–9	Spread and Shape
Determine range and distribution shapes of data.	6.SP.B.5c	8–9	Spread and Shape
Find measures of center and spread.	6.SP.B.5c	10–11	More to Explore
Read and understand dot plots.	6.SP.B.5a	12–13	Plotting with Dots
Read and understand dot plots.	6.SP.B.5c	12–13	Plotting with Dots
Read and understand dot plots.	6.SP.B.4	14–15	More with Dot Plots
Read and understand dot plots.	6.SP.B.5a	14–15	More with Dot Plots
Read and understand dot plots.	6.SP.B.5c	14–15	More with Dot Plots
Find mean absolute deviation.	6.SP.B.5c	16–17	One Way to Measure Variability
Find quartiles and interquartile ranges.	6.SP.B.5c	18–19	Another Way to Measure Variability
Analyze histograms.	6.SP.B.5a	20–21	The Histogram
Analyze histograms.	6.SP.B.4	22–23	More with Histograms
Analyze histograms.	6.SP.B.5a	22–23	More with Histograms
Find measures of center and spread.	6.SP.B.5c	24–25	Applications of Center and Spread
Find measures of center and spread.	6.SP.B.5d	24–25	Applications of Center and Spread
Analyze box plots.	6.SP.B.5c	26–27	Boxing It In
Analyze box plots.	6.SP.B.4	28–29	More with Box Plots
Analyze box plots.	6.SP.B.5a	28–29	More with Box Plots
Analyze box plots.	6.SP.B.5c	28–29	More with Box Plots
Analyze special elements of data displays.	6.SP.B.5a	30–31	Data Display Extras
Analyze special elements of data displays.	6.SP.B.5c	30–31	Data Display Extras
Apply knowledge of statistics.	6.SP.B.5c	32	A Look Back at Statistics
Apply knowledge of statistics.	6.SP.B.5d	32	A Look Back at Statistics