VersaTiles Math Scope & Sequence, Grade 4

84668 Number and Operations: Whole Numbers

Objective		*Page*	*Title*
Interpret multiplicative comparisons.	4.OA.A.1	1	Making Comparisons
Multiply or divide to solve word problems involving multiplicative comparisons.	4.OA.A.2	2–3	Times as Many Word Problems
Find sums of 2- or 3-digit numbers, with regrouping.	4.NBT.B.4	4	Way to Add!
Find sums of 2- or 3-digit numbers, with no regrouping.	4.NBT.B.4	5	Add Them Up!
Find differences of 2-digit numbers, with regrouping tens as ones.	4.NBT.B.4	6	May I Borrow Some Ones?
Find differences of 3-digit numbers, with regrouping twice.	4.NBT.B.4	7	Keep Regrouping
Solve word problems involving multiplication and additive comparisons.	4.OA.A.2	8–9	What's the Operation?
Find differences of 3-digit numbers, with regrouping across zeros.	4.NBT.B.4	10	Zeros Everywhere!
Find sums of two 3-digit numbers with and without regrouping.	4.NBT.B.4	11	Let's Add!
Add and subtract multi-digit numbers.	4.NBT.B.4	12	Sums and Differences
Find sums of two or more 5- to 7-digit numbers.	4.NBT.B.4	13	Greater Value!
Solve multiplicative comparison problems using bar models.	4.OA.A.2	14–15	Draw It Out
Use addition and subtraction to find missing numbers.	4.NBT.B.4	16	The Mystery of the Missing Numbers
Find products of 3- or 4-digit numbers multiplied by 1-digit numbers.	4.NBT.B.5	17	Keep the Place in Place Value
Use area models to multiply.	4.NBT.B.5	18	Multiplication Using Area Models
Multiply two 2-digit numbers.	4.NBT.B.5	19	Two by Two
Determine if correct answers to problems are the resulting quotient, the remainder, or the next greater quotient.	4.OA.A.3	20–21	Quotients and Remainders
Multiply 4-digit numbers by single-digit numbers.	4.NBT.B.5	22	Four Digits … Ten Thousands!
Find quotients of tens or hundreds divided by 1-digit numbers.	4.NBT.B.6	23	Tens and Hundreds
Find estimated quotients of 2- or 3-digit numbers divided by 1-digit numbers.	4.NBT.B.6	24	You're Close!
Find 2-digit quotients of 2-digit numbers divided by 1-digit numbers with remainders.	4.NBT.B.6	25	Science Week Divisions
Solve problems by using equations with a letter standing for the unknown quantity.	4.OA.A.3	26–27	Letters to Represent Numbers
Use area models to find quotients.	4.NBT.B.6	28	Using Area Models to Divide
Find quotients of up to 4-digit numbers divided by 1-digit numbers with or without remainders.	4.NBT.B.6	29	Can You Divide It?
Understand remainders and use reasonable estimates.	4.OA.A.3	30–31	Remainders and Reasonable Estimates
Find 2- or 3-digit quotients of 3-digit numbers divided by 1-digit numbers with zeros in the quotient.	4.NBT.B.6	32	Three, Two, One, Zero!

84669 Number and Operations: Multi-Digit and Fractions

Objective		*Page*	*Title*
Determine the value of a digit in 4-digit numbers.	4.NBT.A.1	1	Everything in Its Place!
Determine the value of a digit based on place value.	4.NBT.A.1	2	Name That Number!
Name the value of a digit in 5- or 6-digit numbers.	4.NBT.A.1	3	What's My Value?
Name the value of a digit in 7-digit numbers.	4.NBT.A.1	4	How Valuable Is It?
Determine the value of a digit based on place value.	4.NBT.A.1	5	Making Millions!
Use number lines to order numbers through millions.	4.NBT.A.2	6	Order's Up!
Use >, <, or = to compare two numbers through millions.	4.NBT.A.2	7	Dare to Compare!
Name the greatest of four numbers through hundred thousands.	4.NBT.A.2	8	Order, I Say!
Complete equivalent forms of a number using thousands, hundreds, tens, and ones.	4.NBT.A.2	9	Thousand to One
Round whole numbers to the nearest ten.	4.NBT.A.3	10	Round Them Up—Round Them Down
Round whole numbers to the nearest hundred.	4.NBT.A.3	11	Hundreds Up and Down!
Round whole numbers to the nearest thousand.	4.NBT.A.3	12	About How Many Thousands?
Use models to relate decimals in tenths or hundredths to fractions.	4.NF.C.6	13	Shaded Fractions
Name decimals less than 1 for given fractions.	4.NF.C.6	14	What's My Decimal Name?
Use number lines to order decimals.	4.NF.C.6	15	Keep Your Decimals in Line!
Use number lines to order decimals.	4.NF.C.7	15	Keep Your Decimals in Line!
Solve problems that involve naming or comparing decimals.	4.NF.C.6	16–17	Name or Compare Decimals
Solve problems that involve naming or comparing decimals.	4.NF.C.7	16–17	Name or Compare Decimals
Use >, <, or = to compare two decimals.	4.NF.C.7	18	Decimal Decision
Name decimals less than 1 for given fractions.	4.NF.C.6	19	Name a Decimal Less Than 1
Use number lines to order decimals.	4.NF.C.6	20	Order on a Number Line
Use number lines to order decimals.	4.NF.C.7	20	Order on a Number Line
Find the missing factor in lists of all the factors of a number.	4.OA.B.4	21	Factor-Finding Mission
Find factor pairs.	4.OA.B.4	22	Case of the Missing Factor

Objective		*Page*	*Title*
Find the missing multiple in lists of the multiples of a number.	4.OA.B.4	23	Missing Multiples
Recognize if numbers are multiples of another.	4.OA.B.4	24	Explore Multiples
Identify prime and composite numbers.	4.OA.B.4	25	Prime Time
Identify prime and composite numbers.	4.OA.B.4	26	That's Prime!
Complete skip-counting patterns by 10, 100, or 1,000.	4.OA.C.5	27	Follow the Leader
Complete counting patterns in which the numbers increase or decrease by 100 or 1,000.	4.OA.C.5	28	Forward and Backward
Continue numerical patterns.	4.OA.C.5	29	Compute On!
Continue numerical patterns.	4.OA.C.5	30	Compute On and On!
Name rules for function tables.	4.OA.C.5	31	Lots of Rules
Name inputs or outputs using a function table.	4.OA.C.5	32	Input and Output

84670 Fractions: Equivalence and Ordering

Objective		*Page*	*Title*
Find missing numbers in equivalent fractions.	4.NF.A.1	1	Equal Slices
Find missing numbers in equivalent fractions.	4.NF.A.1	2–3	We Are Equals
Use models to find the missing numbers in equivalent fractions.	4.NF.A.1	4–5	Different Ways to See the Same Thing
Complete equivalent fractions.	4.NF.A.1	6	Find the Missing Link
Find equivalent fractions.	4.NF.A.1	7	Who's the Same?
Identify equivalent fractions using multiplication or division.	4.NF.A.1	8	Think Equivalent
Find equivalent fractions from a context.	4.NF.A.1	9	Equivalent Situations
Find equivalent fractions.	4.NF.A.1	10	All Things Created Equal
Determine equivalent fractions.	4.NF.A.1	11	Different, Yet Equal
Choose fractions equivalent to given fractions.	4.NF.A.1	12	Which Makes Them Equal?
Find fractions equivalent to given fractions.	4.NF.A.1	13	Forward and Reverse
Use multiplication or division to find equivalent fractions.	4.NF.A.1	14	The Same As
Use number lines to order fractions.	4.NF.A.2	15	All in a Row
Compare fractions that have different denominators.	4.NF.A.2	16	Comparing Differences
Name fractions that are closer to 0, 1 __ 2 , or 1.	4.NF.A.2	17	Fraction-Go-Round
Compare two fractions by comparing them to a benchmark.	4.NF.A.2	18	Compare to the Benchmark
Compare the sizes of two fractions.	4.NF.A.2	19	Size of the Circle
Use >, <, or = to compare two fractions.	4.NF.A.2	20	More or Less
Order fractions.	4.NF.A.2	21	Who Is the Greatest?
Name the least of three fractions.	4.NF.A.2	22	Least … But Not Last!
Compare fractions with like numerators.	4.NF.A.2	23	Comparing Like Numerators
Compare sets of three fractions.	4.NF.A.2	24	Three's a Crowd
Convert tenths to hundredths using models.	4.NF.C.5	25	Tenths to Hundredths
Find fractions and addition expressions that match shaded models.	4.NF.C.5	26	Very Shady
Convert fractions from tenths to hundredths.	4.NF.C.5	27	Missing Tenths and Hundredths
Use models to find sums of fractions with denominators 10 and 100.	4.NF.C.5	28–29	Add 'Em Up
Find the missing number in fraction addition equations.	4.NF.C.5	30–31	What's Missing?
Find sums of fractions with denominators 10 and 100.	4.NF.C.5	32	Sum It All Up

84671 Fractions: Operations

Objective		*Page*	*Title*
Find the missing numerator in fraction addition sentences.	4.NF.B.3a	1	Adding Likeness
Decompose fractions and mixed numbers using models.	4.NF.B.3b	2–3	Different Ways to Get the Same Result
Solve a problem that involves adding or subtracting fractions.	4.NF.B.3d	4–5	Problem Solving: Using Fractions
Find sums of two fractions with like denominators.	4.NF.B.3a	6	Finding the Sum of the Parts
Find sums of two fractions with like denominators.	4.NF.B.3d	6	Finding the Sum of the Parts
Find sums of two fractions with like denominators, sum greater than 1.	4.NF.B.3a	7	Greater Than One
Find differences between two fractions with like denominators.	4.NF.B.3a	8	Likeable Fractions
Find sums or differences of two fractions with like denominators.	4.NF.B.3a	9	Sums and Differences
Decompose fractions and mixed numbers using models.	4.NF.B.3b	10–11	How Many Addends?
Find sums of two fractions with like denominators, sum greater than 1.	4.NF.B.3a	12	More Sums
Find the missing numerator in fraction subtraction sentences.	4.NF.B.3a	13	Take Them Away!
Find the missing numerator in fraction subtraction sentences.	4.NF.B.3d	13	Take Them Away!
Solve word problems that involve addition or subtraction of mixed numbers.	4.NF.B.3c	14–15	Mixed Number Addition and Subtraction
Solve word problems that involve addition or subtraction of mixed numbers.	4.NF.B.3d	14–15	Mixed Number Addition and Subtraction
Find equations for mixed number addition problems using models.	4.NF.B.3c	16–17	Mixed-Up Models
Find sums of two mixed numbers with like denominators.	4.NF.B.3c	18	Does It Add Up?

Objective		*Page*	*Title*
Find differences between two mixed numbers with like denominators.	4.NF.B.3c	19	Less, Greater, Difference
Find equations for mixed number subtraction problems using models.	4.NF.B.3c	20–21	Mixed Number Subtraction
Solve word problems that involve multiplication of whole numbers by fractions and mixed numbers.	4.NF.B.4b	22–23	Fraction Multiplication
Solve word problems that involve multiplication of whole numbers by fractions and mixed numbers.	4.NF.B.4c	22–23	Fraction Multiplication
Find equations for whole number and unit fraction multiplication problems using models.	4.NF.B.4a	24–25	Multiplying Whole Numbers by Unit Fractions
Solve word problems that involve whole number and unit fraction multiplication.	4.NF.B.4a	26–27	Unit Fraction Multiplication
Solve word problems that involve whole number and unit fraction multiplication.	4.NF.B.4c	26–27	Unit Fraction Multiplication
Find equations for whole number and fraction multiplication problems using models.	4.NF.B.4b	28–29	Multiplying Whole Numbers by Fractions
Solve word problems involving multiplying a fraction and a whole number.	4.NF.B.4c	30–31	A Fraction of It
Find the product of a fraction and a whole number.	4.NF.B.4a	32	Let's Get Small!
Find the product of a fraction and a whole number.	4.NF.B.4b	32	Let's Get Small!
Find the product of a fraction and a whole number.	4.NF.B.4c	32	Let's Get Small!

84672 Measurement and Data: Convert and Solve Problems

Objective		*Page*	*Title*
Convert customary linear measures.	4.MD.A.1	1	One Is the Same as the Other
Find missing numbers in unit conversion tables.	4.MD.A.1	2–3	Table It
Convert metric linear measures.	4.MD.A.1	4	Another Name
Convert metric linear measures.	4.MD.A.2	4	Another Name
Convert customary weight measures.	4.MD.A.1	5	Weight Up
Solve word problems involving time and customary units of length.	4.MD.A.2	6–7	Working at the Craft Fair
Convert customary mass measures.	4.MD.A.1	8	Mix and Match
Convert customary capacity measures.	4.MD.A.1	9	Call It Something Else
Solve word problems involving metric units of length and mass.	4.MD.A.2	10–11	Metric Distance and Mass Problems
Convert metric capacity measures.	4.MD.A.1	12	Having Capacity
Convert measures of time.	4.MD.A.1	13	Time Will Tell
Solve word problems involving units of weight and capacity.	4.MD.A.2	14–15	Fill It Up
Find perimeters.	4.MD.A.3	16	How Far Around?
Find areas.	4.MD.A.3	17	Calculate It!
Solve word problems involving money and metric units of capacity.	4.MD.A.2	18–19	Money and Metric Capacity
Solve word problems involving perimeter.	4.MD.A.3	20–21	Around and Around We Go
Solve word problems involving area.	4.MD.A.3	22–23	Area Problems
Extend shape patterns.	4.OA.C.5	24	You'll Flip!
Extend shape patterns.	4.OA.C.5	25	Slipping and Sliding
Find perimeters and areas of rectangles.	4.MD.A.3	26–27	Calculate and Compare
Understand line plots and the data they represent.	4.MD.B.4	28–29	Making Line Plots
Understand line plots and the data they represent.	4.MD.B.4	30–31	More with Line Plots
Find the next number or the rule in number patterns.	4.OA.C.5	32	Look for More!

84673 Geometry: Angles and Plane Figures

Objective		*Page*	*Title*
Understand how angles relate to full circles.	4.MD.C.5a	1	Turn, Turn, Turn
Understand how angles relate to full circles.	4.MD.C.5b	1	Turn, Turn, Turn
Understand how angles relate to full circles.	4.MD.C.7	1	Turn, Turn, Turn
Describe geometric figures in terms of angles.	4.G.A.1	2–3	What's My Angle?
Describe geometric figures in terms of angles.	4.G.A.2	2–3	What's My Angle?
Identify lines, line segments, and rays.	4.G.A.1	4	What Do I Look Like?
Identify geometric figures.	4.G.A.1	5	Who Am I?
Convert between degrees and fractions of circles.	4.MD.C.5a	6–7	Fraction of a Rotation
Convert between degrees and fractions of circles.	4.MD.C.5b	6–7	Fraction of a Rotation
Convert between degrees and fractions of circles.	4.MD.C.7	6–7	Fraction of a Rotation
Find angle measures of sections of evenly-divided circles.	4.MD.C.5a	8–9	What's the Measure?
Find angle measures of sections of evenly-divided circles.	4.MD.C.5b	8–9	What's the Measure?
Find angle measures of sections of evenly-divided circles.	4.MD.C.7	8–9	What's the Measure?
Classify angles by degree measures.	4.G.A.1	10–11	Angles All Around

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Objective		*Page*	*Title*
Classify angles by degree measures.	4.MD.C.5a	10–11	Angles All Around
Classify angles by degree measures.	4.MD.C.5b	10–11	Angles All Around
Find measures of angles.	4.MD.C.6	12–13	To What Degree?
Find measures of angles.	4.MD.C.6	14–15	What's My Angle?
Solve problems using complementary and supplementary angles.	4.MD.C.7	16–17	Complementary & Supplementary Angles
Solve problems involving adjacent angles.	4.MD.C.7	18–19	What's the Measure?
Solve problems using angle addition.	4.MD.C.5a	20–21	Angle Combinations
Solve problems using angle addition.	4.MD.C.5b	20–21	Angle Combinations
Solve problems using angle addition.	4.MD.C.7	20–21	Angle Combinations
Classify angles as acute, right, obtuse, or straight.	4.G.A.1	22	Classified!
Identify lines that are intersecting, perpendicular, or parallel.	4.G.A.1	23	Standing in Line
Describe geometric figures in terms of angles.	4.G.A.1	24–25	A Cute Angle
Describe geometric figures in terms of angles.	4.G.A.2	24–25	A Cute Angle
Identify lines, line segments, rays, angles, 2-dimensional figures, and 3-dimensional figures.	4.G.A.1	26	How Do You Figure?
Identify lines, line segments, rays, angles, 2-dimensional figures, and 3-dimensional figures.	4.G.A.2	26	How Do You Figure?
Choose figures that show lines of symmetry.	4.G.A.3	27	Symmetry Match
Determine when figures have line symmetry.	4.G.A.3	28–29	Where's My Line?
Tell how many lines of symmetry can be drawn in a given figure.	4.G.A.3	30–31	How Many Lines of Symmetry?
Identify lines of symmetry of given 2-dimensional figures.	4.G.A.3	32	Mirror Image