

MATATAG → Math → Grade 4

Topic	New File Name	File Type	Level of Skill Progression
Q1			
measures of angles	DEV_Video - Using a Protractor to Measure Angles	video	Developing
	DEV_Discussion Presentation - Kinds of Angles	ppt	Developing
	DEV_Printable Worksheet - Kinds of Angles	pdf	Developing
	PRO_Video - Types of Angles and Angle Relationships	video	Proficient
properties of triangles and quadrilaterals	DEV_Video - Angle Properties in Triangles	video	Developing
	DEV_Video - Categories of Quadrilaterals (Part 2)	video	Developing
	DEV_Video - Categories of Quadrilaterals (Part 1)	video	Developing
	DEV_Discussion Presentation - Kinds of Triangles Based on Angles	ppt	Developing
	DEV_Discussion Presentation - Kinds of Triangles Based on Sides	ppt	Developing
	DEV_Discussion Presentation - Parts of a Triangle	ppt	Developing
	DEV_Discussion Presentation - Family of Quadrilaterals	ppt	Developing
	DEV_Discussion Presentation - Properties of Quadrilaterals	ppt	Developing
	DEV_Discussion Presentation - Triangles and Quadrilaterals	ppt	Developing
	DEV_Printable Worksheet - Kinds of Triangles Based on Angles	pdf	Developing
	DEV_Printable Worksheet - Kinds of Triangles Based on Sides	pdf	Developing
	DEV_Printable Worksheet - Parts of a Triangle	pdf	Developing
	DEV_Printable Worksheet - Family of Quadrilaterals	pdf	Developing
	DEV_Printable Worksheet - Properties of Quadrilaterals	pdf	Developing
	DEV_Printable Worksheet - Triangles and Quadrilaterals	pdf	Developing
	DEV_eContent - Triangles and Quadrilaterals_BU	html	Developing
	DEV_eContent - Triangles and Quadrilaterals_STR	html	Developing
	DEV_eContent - Triangles and Quadrilaterals_MAS	html	Developing
	PRO_Video - What are Quadrilaterals - Types of Quadrilaterals Overview	video	Proficient
perimeter of quadrilaterals, and composite figures composed of triangles and quadrilaterals	DEV_Video - Geometric Properties to Find the Perimeter of Plane Figures (Part 1)	video	Developing
	DEV_Video - Geometric Properties to Find the Perimeter of Plane Figures (Part 2)	video	Developing
	DEV_eContent - Perimeter_BU		Developing
	DEV_eContent - Perimeter_STR		Developing
	DEV_eContent - Perimeter_MAS		Developing
	DEV_Video - Calculating the Perimeter of Polygons	video	Proficient

whole numbers up to 1 000 000	DEV_Video - Reading and Writing Whole Numbers (Base-Ten Numerals)	video	Developing
	DEV_Discussion Presentation - Representing Whole Numbers up to 100,000	ppt	Developing
	DEV_Discussion Presentation - Identifying the Value and Place Value of a Digit in a Whole Number up to 100,000	ppt	Developing
	DEV_Discussion Presentation - Reading and Writing Whole Numbers up to 100,000	ppt	Developing
	DEV_Discussion Presentation - Rounding Off of Whole Numbers	ppt	Developing
	DEV_Discussion Presentation - Arranging Whole Numbers in Increasing and Decreasing Order	ppt	Developing
	DEV_Printable Worksheet - Representing Whole Numbers up to 100,000	pdf	Developing
	DEV_Printable Worksheet - Identifying the Value and Place Value of a Digit in a Whole Number up to 100,000	pdf	Developing
	DEV_Printable Worksheet - Reading and Writing Whole Numbers up to 100,000	pdf	Developing
	DEV_Printable Worksheet - Rounding Off of Whole Numbers	pdf	Developing
	DEV_Printable Worksheet - Arranging Whole Numbers in Increasing and Decreasing Order	pdf	Developing
addition of numbers with sums up to 1 000 000 and subtraction of numbers where both numbers are less than 1 000 000	DEV_Video - Creating Numbers Based on Given Conditions by Comparing Digits	video	Developing
	DEV_Video - Round Numbers to the Leading Digit Using a Number Line	video	Developing
	DEV_Video - Add Using the Standard Addition Algorithm	video	Developing
	DEV_Video - Subtract Using the Standard Subtraction Algorithm	video	Developing
	DEV_eContent - Rounding off Decimals_BU	html	Developing
	DEV_eContent - Rounding off Decimals_STR	html	Developing
	DEV_eContent - Rounding off Decimals_MAS	html	Developing
	PRO_Video - What is Place Value	video	Proficient

Q2			
Multiplication of Whole Numbers with Products up to 1 000 000, Division of up to 4-Digit Numbers by up to 2-Digit Numbers, and the MDAS Rules	DEV_Video - Multiplication by One-Digit Numbers	video	Developing
	DEV_Video - Multiplying Multi-Digit Whole Numbers by a One-Digit Whole Number	video	Developing
	DEV_Video - Multiplying Two-Digit Whole Numbers Using the Standard Procedure	video	Developing
	DEV_Video - Using Estimation Multiplication to Solve a Real World Problem	video	Developing
	DEV_Video - Divide 4-Digit Dividends by 2-Digit Divisors by Estimating and Adjusting the Quotient	video	Developing
	DEV_Video - Dividing Two-Digit Numbers by Two-Digit Numbers, and Three-Digit Numbers by Two-Digit Numbers with Remainders	video	Developing
	DEV_Video - Estimate and Adjust Quotients	video	Developing
	DEV_Video - The Order of Operations in Numerical Expressions	video	Developing
	DEV_Video - Solve Multi-Step Problems Using Multiple Operations	video	Developing
	DEV_Video - Write Expressions to Represent Numerical Situations	video	Developing
	DEV_Video - Make an Equation True by Placing Parentheses Correctly	video	Developing
	DEV_Discussion Presentation - Solving Word Problems Involving Multiplication	ppt	Developing
	DEV_Discussion Presentation - Performing a Series of Operations Using MDAS Rule	ppt	Developing
	DEV_Discussion Presentation - Solving Multistep Word Problems Involving Two or More Operations on Whole Numbers	ppt	Developing
	DEV_Discussion Presentation - Multiplying Mentally	ppt	Developing
	DEV_Discussion Presentation - Performing a Series of Two or More Operations Involving Whole Numbers Using PMDAS or GMDAS	ppt	Developing
	DEV_Printable Worksheet - Solving Word Problems Involving Multiplication	pdf	Developing
	DEV_Printable Worksheet - Performing a Series of Operations Using MDAS Rule	pdf	Developing
	DEV_Printable Worksheet - Solving Multistep Word Problems Involving Two or More Operations on Whole Numbers	pdf	Developing
	DEV_Printable Worksheet - Multiplying Mentally	pdf	Developing
	DEV_Printable Worksheet - Performing a Series of Two or More Operations Involving Whole Numbers Using PMDAS or GMDAS	pdf	Developing
	DEV_eContent - Division_BU	html	Developing
	DEV_eContent - Division_STR	html	Developing
	DEV_eContent - Division_MAS	html	Developing
	PRO_Video - Division of Large Numbers Long Division	video	Proficient

conversion of units of length, mass, capacity, and time	DEV_Video - Measuring Time (Part 1)	video	Developing
	DEV_Video - Measuring Time (Part 2)	video	Developing
	DEV_Video - Conversion of Millilitres and Litres	video	Developing
	DEV_Video - Metric Measurements Mass	video	Developing
	DEV_Video - Compare and Convert Metric Units of Length	video	Developing
	DEV_Video - Convert a Larger Unit Into a Smaller Unit	video	Developing
	DEV_Video - Convert Measurements to Solve Distance Problems	video	Developing
	DEV_Video - Convert Measurements to Solve Weight Problems	video	Developing
	DEV_Video - Convert Time Units to Solve Time Problems	video	Developing
	DEV_Video - Time	video	Developing
	DEV_Video - Convert Measurements to Solve Volume Problems	video	Developing
	DEV_Discussion Presentation - Conversion of Time	ppt	Developing
	DEV_Discussion Presentation - Word Problems Time	ppt	Developing
	DEV_Discussion Presentation - Meters and Centimeters	ppt	Developing
	DEV_Discussion Presentation - Kilometers and Meters	ppt	Developing
	DEV_Discussion Presentation - Word Problems Length	ppt	Developing
	DEV_Discussion Presentation - Kilograms and Grams	ppt	Developing
	DEV_Discussion Presentation - Word Problems Mass	ppt	Developing
	DEV_Discussion Presentation - Liters and Milliliters	ppt	Developing
	DEV_Discussion Presentation - Word Problems Capacity	ppt	Developing
	DEV_Printable Worksheet - Conversion of Time	pdf	Developing
	DEV_Printable Worksheet - Word Problems Time	pdf	Developing
	DEV_Printable Worksheet - Meters and Centimeters	pdf	Developing
	DEV_Printable Worksheet - Kilometers and Meters	pdf	Developing
	DEV_Printable Worksheet - Word Problems Length	pdf	Developing
	DEV_Printable Worksheet - Kilograms and Grams	pdf	Developing
	DEV_Printable Worksheet - Word Problems Mass	pdf	Developing
	DEV_Printable Worksheet - Liters and Milliliters	pdf	Developing
	DEV_Printable Worksheet - Word Problems Capacity	pdf	Developing
	DEV_eContent - Time_BU	html	Developing
	DEV_eContent - Time_STR	html	Developing
	DEV_eContent - Time_MAS	html	Developing
	DEV_eContent - Time 2_BU	html	Developing
	DEV_eContent - Time 2_STR	html	Developing
	DEV_eContent - Time 2_MAS	html	Developing

addition and subtraction of similar fractions, including mixed numbers	DEV_Video - Introduction to Fractions	video	Developing
	DEV_Video - Finding Fractions on Number Lines	video	Developing
	DEV_Video - Get in Line, Fractions!	video	Developing
	DEV_Video - Add and Subtract Fractions with Like Denominators	video	Developing
	DEV_Video - Adding and Subtracting Fractions - Same Denominator	video	Developing
	DEV_Video - Adding and Subtracting Mixed Numbers	video	Developing
	DEV_Video - Improper Fractions and Mixed Numbers	video	Developing
	DEV_Video - Subtract fractions and Mixed Numbers by Decomposing	video	Developing
	DEV_Discussion Presentation - Kinds of Fractions	ppt	Developing
	DEV_Discussion Presentation - Changing Improper Fractions to Mixed Numbers	ppt	Developing
	DEV_Discussion Presentation - Reducing Fractions to Lowest Terms	ppt	Developing
	DEV_Discussion Presentation - Addition of Similar Fractions	ppt	Developing
	DEV_Discussion Presentation - Subtraction of Similar Fractions	ppt	Developing
	DEV_Discussion Presentation - Solving Word Problems Involving Addition and Subtraction of Similar Fractions	ppt	Developing
	DEV_Discussion Presentation - Adding and Subtracting Fractions and Mixed Numbers Without Regrouping	ppt	Developing
	DEV_Discussion Presentation - Solving Word Problems Involving Addition and Subtraction of Fractions and Mixed Numbers	ppt	Developing
	DEV_Discussion Presentation - Adding and Subtracting Simple Fractions and Mixed Numbers Without Regrouping	ppt	Developing
	DEV_Discussion Presentation - Adding and Subtracting Simple Fractions and Mixed Numbers with Regrouping	ppt	Developing
	DEV_Printable Worksheet - Kinds of Fractions	pdf	Developing
	DEV_Printable Worksheet - Changing Improper Fractions to Mixed Numbers	pdf	Developing
	DEV_Printable Worksheet - Reducing Fractions to Lowest Terms	pdf	Developing
	DEV_Printable Worksheet - Addition of Similar Fractions	pdf	Developing
	DEV_Printable Worksheet - Subtraction of Similar Fractions	pdf	Developing
	DEV_Printable Worksheet - Solving Word Problems Involving Addition and Subtraction of Similar Fractions	pdf	Developing
	DEV_Printable Worksheet - Adding and Subtracting Fractions and Mixed Numbers Without Regrouping	pdf	Developing
	DEV_Printable Worksheet - Solving Word Problems Involving Addition and Subtraction of Fractions and Mixed Numbers	pdf	Developing
	DEV_Printable Worksheet - Adding and Subtracting Simple Fractions and Mixed Numbers Without Regrouping	pdf	Developing
	DEV_Printable Worksheet - Adding and Subtracting Simple Fractions and Mixed Numbers with Regrouping	pdf	Developing

Q3			
dissimilar and equivalent fractions	DEV_Video - Comparing Fractions Using Area Models	video	Developing
	DEV_Video - Comparing Fractions	video	Developing
	DEV_Video - Compare Fractions with Different Numerators and Denominators Using Area Models	video	Developing
	DEV_Video - Ordering Regular, Improper, and Mixed Numbers on a Number Line	video	Developing
	DEV_Discussion Presentation - Fraction of a Set	ppt	Developing
	DEV_Discussion Presentation - Equivalent Fractions	ppt	Developing
	DEV_Discussion Presentation - Dissimilar Fractions	ppt	Developing
	DEV_Printable Worksheet - Fraction of a Set	pdf	Developing
	DEV_Printable Worksheet - Equivalent Fractions	pdf	Developing
	DEV_Printable Worksheet - Dissimilar Fractions	pdf	Developing
factors and multiples of numbers up to 100	DEV_Video - Find Multiples by Using a Number Line	video	Developing
	DEV_Video - Equivalent Fractions Using Visual Models	video	Developing
	DEV_Video - Generate Equivalent Fractions Using Fraction Models	video	Developing
	DEV_Video - Recognize Equivalent Fractions Using Area Models	video	Developing
	DEV_Video - Fractions to Simplest Form	video	Developing
	DEV_Video - Reducing Fractions to Simplest Form	video	Developing
	DEV_Video - Multiples and Factors	video	Developing

addition and subtraction of dissimilar fractions	DEV_Video - Subtract Mixed Numbers - Regrouping	video	Developing
	DEV_Video - Add Mixed Fractions - Regrouping	video	Developing
	DEV_Video - Solve Word Problems Using Fraction Bars to Subtract Unlike Fractions	video	Developing
	DEV_Video - Subtract Unlike Fractions Using Equivalent Fractions and the Number Line	video	Developing
	DEV_Video - Add Fractions with Unlike Denominators by Creating Area Models	video	Developing
	DEV_Video - Add Fractions with Unlike Denominators Using Fraction Bars	video	Developing
	DEV_Video - Subtract Fractions with Unlike Denominators by Creating Area Models	video	Developing
	DEV_Video - Subtract Fractions with Unlike Denominators Using Fraction Bars	video	Developing
	DEV_Video - Solve Word Problems with Addition of Unlike Denominators by Creating Like Denominators	video	Developing
	DEV_Discussion Presentation - Adding Dissimilar Fractions	ppt	Developing
	DEV_Discussion Presentation - Subtracting Dissimilar Fractions	ppt	Developing
	DEV_Discussion Presentation - Subtracting a Fraction from a Whole Number	ppt	Developing
	DEV_Discussion Presentation - Solving Word Problems Involving Addition and Subtraction of Dissimilar Fractions	ppt	Developing
	DEV_Discussion Presentation - Adding and Subtracting Fractions and Mixed Numbers with Regrouping	ppt	Developing
	DEV_Printable Worksheet - Adding Dissimilar Fractions	pdf	Developing
	DEV_Printable Worksheet - Subtracting Dissimilar Fractions	pdf	Developing
	DEV_Printable Worksheet - Subtracting a Fraction from a Whole Number	pdf	Developing
	DEV_Printable Worksheet - Solving Word Problems Involving Addition and Subtraction of Dissimilar Fractions	pdf	Developing
	DEV_Printable Worksheet - Adding and Subtracting Fractions and Mixed Numbers with Regrouping	pdf	Developing
	DEV_eContent - Adding & Subtracting Fractions_BU	html	Developing
	DEV_eContent - Adding & Subtracting Fractions_STR	html	Developing
	DEV_eContent - Adding & Subtracting Fractions_MAS	html	Developing
symmetric figures with respect to a line	BEG_Discussion Presentation - Identifying Symmetric Figures	ppt	Beginning
	BEG_Discussion Presentation - Completing Symmetric Figures	ppt	Beginning
	DEV_Video - Identify Line Symmetry in Regular Polygons	video	Developing
	DEV_Video - Identify Line Symmetry in Irregular Polygons	video	Developing
	DEV_Discussion Presentation - Identifying Symmetric Figures	ppt	Developing
	DEV_Printable Worksheet - Identifying Symmetric Figures	pdf	Developing
	DEV_Printable Worksheet - Completing Symmetric Figures	pdf	Developing

Q4			
presentation and interpretation of data in tabular form and in a single line graph	DEV_Video - Interpret Data on a Line Plot	video	Developing
	DEV_Video - Create a Data Table	video	Developing
	DEV_eContent - Bar Graphs_BU	html	Developing
	DEV_eContent - Bar Graphs_STR	html	Developing
	DEV_eContent - Bar Graphs_MAS	html	Developing
simple patterns	BEG_Discussion Presentation - Number Sequence	ppt	Beginning
	DEV_Video - Elements in Number Patterns	video	Developing
	DEV_Discussion Presentation - Finding Attributes of a Number Pattern	ppt	Developing
	DEV_Discussion Presentation - Formulating Rules in a Pattern	ppt	Developing
	DEV_Discussion Presentation - Generating Patterns	ppt	Developing
	DEV_Discussion Presentation - Finding the Missing Term in a Number Pattern	ppt	Developing
	DEV_Printable Worksheet - Finding Attributes of a Number Pattern	pdf	Developing
	DEV_Printable Worksheet - Number Sequence	pdf	Developing
	DEV_Printable Worksheet - Formulating Rules in a Pattern	pdf	Developing
	DEV_Printable Worksheet - Generating Patterns	pdf	Developing
	DEV_Printable Worksheet - Finding the Missing Term in a Number Pattern	pdf	Developing
number sentences	DEV_Video - Missing Addend Word Problems	video	Developing
	DEV_Discussion Presentation - Solving for the Missing Term in a Number Sentence	ppt	Developing
	DEV_Discussion Presentation - Solving for the Missing Term in a Sequence	ppt	Developing
	DEV_Printable Worksheet - Solving for the Missing Term in a Number Sentence	pdf	Developing
	DEV_Printable Worksheet - Solving for the Missing Term in a Sequence	pdf	Developing
	DEV_eContent - Properties of Operations_BU	html	Developing
	DEV_eContent - Properties of Operations_STR	html	Developing
	DEV_eContent - Properties of Operations_MAS	html	Developing

decimal numbers and their relationship to fractions	DEV_Video - Compare Decimals Using a Number Line	video	Developing
	DEV_Video - Compare Two Decimals to the Hundredths Place Using Fraction Models	video	Developing
	DEV_Video - Comparing Decimals to Hundredths Using Visual Models	video	Developing
	DEV_Video - Place Value - Whole and Decimal Numbers	video	Developing
	DEV_Video - Round Decimals to the Nearest Whole Number Using a Number Line	video	Developing
	DEV_Video - Rounding Decimal Numbers Using a Number Line	video	Developing
	DEV_Video - Understand the Value of a Digit in a Decimal Number	video	Developing
	DEV_Video - Comparing and Ordering Decimals	video	Developing
	DEV_Video - Convert Decimals to Fractions to the Hundredths Place Using Visual Aids	video	Developing
	DEV_Video - Read and Write Decimals Using a Place Value Chart	video	Developing
	DEV_Video - Plotting a Decimal on a Number Line	video	Developing
	DEV_Discussion Presentation - Representing Decimals Using Models	ppt	Developing
	DEV_Discussion Presentation - Changing Fractions to Decimals and Vice Versa	ppt	Developing
	DEV_Discussion Presentation - Identifying the Place Value and the Value of a Digit in a Decimal	ppt	Developing
	DEV_Discussion Presentation - Reading and Writing Decimals	ppt	Developing
	DEV_Discussion Presentation - Rounding Decimals	ppt	Developing
	DEV_Discussion Presentation - Comparing Decimals	ppt	Developing
	DEV_Discussion Presentation - Arranging Decimals	ppt	Developing
	DEV_Discussion Presentation - Converting Fractions to Decimals and Vice Versa	ppt	Developing
	DEV_Printable Worksheet - Representing Decimals Using Models	pdf	Developing
	DEV_Printable Worksheet - Changing Fractions to Decimals and Vice Versa	pdf	Developing
	DEV_Printable Worksheet - Identifying the Place Value and the Value of a Digit in a Decimal	pdf	Developing
	DEV_Printable Worksheet - Reading and Writing Decimals	pdf	Developing
	DEV_Printable Worksheet - Rounding Decimals	pdf	Developing
	DEV_Printable Worksheet - Comparing Decimals	pdf	Developing
	DEV_Printable Worksheet - Arranging Decimals	pdf	Developing
	DEV_Printable Worksheet - Converting Fractions to Decimals and Vice Versa	pdf	Developing