

MATATAG → Math → Grade 6

Topic	New File Name	File Type	Level of Skill Progression
Q1			
tessellation of shapes	BEG_Discussion Presentation - Drawing Tessellations	ppt	Beginning
	DEV_Video - Tell Me About Tessellations	video	Developing
	DEV_Discussion Presentation - Recognizing Tessellations	ppt	Developing
	DEV_Printable Worksheet - Recognizing Tessellations	pdf	Developing
	DEV_Printable Worksheet - Drawing Tessellations	pdf	Developing
	PRO_Video - Tessellations in Maths Explained	video	Proficient
translation, reflection and rotation with shapes	BEG_Video - Tessellated Designs	video	Beginning
	PRO_Video - Semi-Regular Tessellations Explained	video	Proficient
the four operations with decimals	BEG_Discussion Presentation - Multiplying Decimals by 0.1, 0.01, 10, and 100 Mentally	ppt	Beginning
	DEV_Video - Convert Unit Fractions Into Repeating Decimals	video	Developing
	DEV_Video - Rewrite Fraction As Decimals (Repeating)	video	Developing
	DEV_Video - Add and Subtract Decimals Review	video	Developing
	DEV_Video - Dividing with Decimal Numbers	video	Developing
	DEV_Video - Explain Patterns in the Placement of the Decimal Point When Dividing a Decimal by Powers of 10	video	Developing
	DEV_Video - Multiply Decimal Numbers by a Power of Ten	video	Developing
	DEV_Video - Divide a Decimal Number by a Power of Ten	video	Developing
	DEV_Discussion Presentation - Solving One-Step and Multistep Word Problems Involving Multiplication of Decimals	ppt	Developing
	DEV_Discussion Presentation - Dividing a Decimal by a Decimal	ppt	Developing
	DEV_Discussion Presentation - Dividing a Decimal by 0.1, 0.01, 0.001, 10, 100, and 1,000 Mentally	ppt	Developing
	DEV_Discussion Presentation - Identifying Terminating and Repeating, Nonterminating Decimal Quotients	ppt	Developing
	DEV_Discussion Presentation - Solving One-Step and Multistep Word Problems Involving Division of Decimals	ppt	Developing
	DEV_Printable Worksheet - Multiplying Decimals by 0.1, 0.01, 10, and 100 Mentally	pdf	Developing
	DEV_Printable Worksheet - Solving One-Step and Multistep Word Problems Involving Multiplication of Decimals	pdf	Developing
	DEV_Printable Worksheet - Dividing a Decimal by a Decimal	pdf	Developing
	DEV_Printable Worksheet - Dividing a Decimal by 0.1, 0.01, 0.001, 10, 100, and 1,000 Mentally	pdf	Developing
	DEV_Printable Worksheet - Identifying Terminating and Repeating, Nonterminating Decimal Quotients	pdf	Developing
	DEV_Printable Worksheet - Solving One-Step and Multistep Word Problems Involving Division of Decimals	pdf	Developing
	DEV_eContent - Adding & Subtracting Decimals_BU	html	Developing
	DEV_eContent - Adding & Subtracting Decimals_STR	html	Developing
	DEV_eContent - Adding & Subtracting Decimals_MAS	html	Developing
	PRO_Video - Multiplying Decimals (Test Your Knowledge)	video	Proficient
	PRO_Video - Dividing with Decimals Quiz	video	Proficient

the four operations with different combinations of fractions, whole numbers, and mixed numbers	DEV_Video - Compare the Outcomes of Fraction Multiplication with the Outcomes of Decimal Multiplication	video	Developing
	DEV_Video - Make Equations with Fractions or Decimals True by Adding Parentheses	video	Developing
	DEV_Video - Compare Fraction and Decimal Division	video	Developing
	DEV_Video - Solve Real-World Problems Using Rational Numbers	video	Developing
	DEV_Discussion Presentation - Multiplying a Mixed Number by a Mixed Number	ppt	Developing
	DEV_Discussion Presentation - Dividing Mixed Numbers by Mixed Numbers	ppt	Developing
	DEV_Printable Worksheet - Multiplying a Mixed Number by a Mixed Number	pdf	Developing
	DEV_Printable Worksheet - Dividing Mixed Numbers by Mixed Numbers	pdf	Developing

Q2			
ratio and proportion	DEV_Video - Whole to Part Ratios	video	Developing
	DEV_Video - Identify Part-to-Total Ratios Using a Diagram	video	Developing
	DEV_Video - Visualize Part-to-Part Ratios Using Pictures	video	Developing
	DEV_Video - Equivalent Ratios and Comparison	video	Developing
	DEV_Video - Find Missing Values in Ratio Problems Using a Table	video	Developing
	DEV_Video - How to Convert Ratios into Fractions	video	Developing
	DEV_Video - Identify Part-to-Part Ratios Using a Diagram	video	Developing
	DEV_Video - Making Lemonade (Graph, Create and Complete a Table of Equivalent Ratios)	video	Developing
	DEV_Video - Proportional Relationships in a Table (Part 1)	video	Developing
	DEV_Video - Proportional Relationships in a Table (Part 2)	video	Developing
	DEV_Video - Solve Missing Values in Ratio Problems Using a Double Number Line	video	Developing
	DEV_Video - Understand the Difference Between Fractions and Ratios	video	Developing
	DEV_Video - Understanding Ratios and Fractions by Analyzing a Picture	video	Developing
	DEV_Discussion Presentation - Expressing a Ratio as a Fraction and Vice Versa	ppt	Developing
	DEV_Discussion Presentation - Finding the Missing Term in a Proportion	ppt	Developing
	DEV_Discussion Presentation - Solving Problems Involving Direct Proportion	ppt	Developing
	DEV_Discussion Presentation - Solving Problems Involving Inverse Proportion	ppt	Developing
	DEV_Discussion Presentation - Solving Problems Involving Partitive Proportion	ppt	Developing
	DEV_Discussion Presentation - Proportion	ppt	Developing
	DEV_Printable Worksheet - Expressing a Ratio as a Fraction and Vice Versa	pdf	Developing
	DEV_Printable Worksheet - Finding the Missing Term in a Proportion	pdf	Developing
	DEV_Printable Worksheet - Solving Problems Involving Direct Proportion	pdf	Developing
	DEV_Printable Worksheet - Solving Problems Involving Inverse Proportion	pdf	Developing
	DEV_Printable Worksheet - Solving Problems Involving Partitive Proportion	pdf	Developing
	DEV_Printable Worksheet - Proportion	pdf	Developing
	DEV_eContent - Ratio_BU	html	Developing
	DEV_eContent - Ratio_STR	html	Developing
	DEV_eContent - Ratio_MAS	html	Developing
	PRO_Video - Ratio Problems in Context	video	Proficient

percentages, and their relationships with fractions and decimals	DEV_Video - Application of Percentage	video	Boclips
	DEV_Discussion Presentation - Conversion of Decimals, Fractions, and Percents	ppt	Developing
	DEV_Discussion Presentation - Relationship of Decimals, Fractions, and Percents	ppt	Developing
	DEV_Discussion Presentation - Finding Percentage	ppt	Developing
	DEV_Discussion Presentation - Finding the Percentage, Base, or Rate	ppt	Developing
	DEV_Printable Worksheet - Conversion of Decimals, Fractions, and Percents	pdf	Developing
	DEV_Printable Worksheet - Relationship of Decimals, Fractions, and Percents	pdf	Developing
	DEV_Printable Worksheet - Finding Percentage	pdf	Developing
	DEV_Printable Worksheet - Finding the Percentage, Base, or Rate	pdf	Developing
	DEV_eContent - Percentage_BU	html	Developing
	DEV_eContent - Percentage_STR	html	Developing
	DEV_eContent - Percentage_MAS	html	Developing
	PRO_Video - Converting Between Fractions, Decimals, and Percentages	video	Proficient
	PRO_Video - Fractions, Decimals, Percentages	video	Proficient
exponential form, including calculation using the GEMDAS rules	DEV_Video - Find the Value Using Order of Operations	video	Developing
	DEV_Video - Write Numerical Expressions Involving Whole-Number Exponents	video	Developing
	DEV_Video - Exponents	video	Developing
	DEV_Discussion Presentation - Evaluating Numbers in Exponential Notation	ppt	Developing
	DEV_Discussion Presentation - Performing Series of Operations Using GEMDAS Rule	ppt	Developing
	DEV_Discussion Presentation - Solving Word Problems Involving Series of Operations	ppt	Developing
	DEV_Discussion Presentation - Writing Numbers in Exponential Notation	ppt	Developing
	DEV_Printable Worksheet - Evaluating Numbers in Exponential Notation	pdf	Developing
	DEV_Printable Worksheet - Performing Series of Operations Using GEMDAS Rule	pdf	Developing
	DEV_Printable Worksheet - Solving Word Problems Involving Series of Operations	pdf	Developing
	DEV_Printable Worksheet - Writing Numbers in Exponential Notation	pdf	Developing
	PRO_Video - Order of Arithmetic Operations (PEMDAS)	video	Proficient
	PRO_Video - Exponents Explained	video	Proficient

Q3			
units of volume and capacity	DEV_Discussion Presentation - Standard and Nonstandard Units of Volume	ppt	Developing
	DEV_Discussion Presentation - Basic Concepts on Volume	ppt	Developing
	DEV_Discussion Presentation - Conversion of Units for Volume	ppt	Developing
	DEV_Printable Worksheet - Standard and Nonstandard Units of Volume	pdf	Developing
	DEV_Printable Worksheet - Basic Concepts on Volume	pdf	Developing
	DEV_Printable Worksheet - Conversion of Units for Volume	pdf	Developing
	DEV_eContent - Volume_BU	html	Developing
	DEV_eContent - Volume_STR	html	Developing
	DEV_eContent - Volume_MAS	html	Developing
	DEV_eContent - Volume 2_BU	html	Developing
	DEV_eContent - Volume 2_STR	html	Developing
	DEV_eContent - Volume 2_MAS	html	Developing
volume of cubes and rectangular prisms	DEV_Video - Find the Volume of Prisms	video	Developing
	DEV_Video - Volume in Cubic Units	video	Developing
	DEV_Video - Find the Volume of a Rectangular Prism by Developing a Formula	video	Developing
	DEV_Video - Volumes of Cubes and Cuboids	video	Developing
	DEV_Video - Volume of a Cube and a Cuboid	video	Developing
	DEV_Video - Conversion of Length Units	video	Developing
	DEV_Discussion Presentation - Volume of a Rectangular Prism I	ppt	Developing
	DEV_Discussion Presentation - Problems Involving the Volume of a Rectangular Prism Using Nonstandard Units	ppt	Developing
	DEV_Discussion Presentation - Volume of a Cube	ppt	Developing
	DEV_Discussion Presentation - Volume of a Rectangular Prism II	ppt	Developing
	DEV_Discussion Presentation - Routine and Nonroutine Problems Involving the Volume of a Cube	ppt	Developing
	DEV_Discussion Presentation - Routine and Nonroutine Problems Involving the Volume of a Rectangular Prism	ppt	Developing
	DEV_Printable Worksheet - Volume of a Rectangular Prism I	pdf	Developing
	DEV_Printable Worksheet - Problems Involving the Volume of a Rectangular Prism Using Nonstandard Units	pdf	Developing
	DEV_Printable Worksheet - Routine and Nonroutine Problems Involving the Volume of a Rectangular Prism	pdf	Developing
	DEV_Printable Worksheet - Volume of a Cube	pdf	Developing
	DEV_Printable Worksheet - Volume of a Rectangular Prism II	pdf	Developing
	DEV_Printable Worksheet - Routine and Nonroutine Problems Involving the Volume of a Cube	pdf	Developing

perimeter and area of triangles, parallelograms, trapezoids, and composite figures composed of triangles, squares, and rectangles	DEV_Video - Find a Missing Rectangle Side Length Using Formulas	video	Developing
	DEV_Video - How to Find the Area of Compound Shapes	video	Developing
	DEV_Video - Remodeling Houses Using Area and Perimeter	video	Developing
	DEV_Discussion Presentation - Area in Square Units	ppt	Developing
	DEV_Discussion Presentation - Perimeter of Square and Rectangle	ppt	Developing
	DEV_Discussion Presentation - Perimeter of Triangle Parallelogram and Trapezoid	ppt	Developing
	DEV_Discussion Presentation - The Concept of Perimeter	ppt	Developing
	DEV_Discussion Presentation - Perimeter of Irregular Figures	ppt	Developing
	DEV_Discussion Presentation - Problems Involving Perimeter	ppt	Developing
	DEV_Discussion Presentation - Perimeter and the Concept of Area	ppt	Developing
	DEV_Discussion Presentation - Area of Composite Figures	ppt	Developing
	DEV_Discussion Presentation - Word Problems Involving Composite Figures	ppt	Developing
	DEV_Printable Worksheet - Area in Square Units	pdf	Developing
	DEV_Printable Worksheet - Perimeter of Square and Rectangle	pdf	Developing
	DEV_Printable Worksheet - Perimeter of Triangle Parallelogram and Trapezoid	pdf	Developing
	DEV_Printable Worksheet - The Concept of Perimeter	pdf	Developing
	DEV_Printable Worksheet - Perimeter of Irregular Figures	pdf	Developing
	DEV_Printable Worksheet - Problems Involving Perimeter	pdf	Developing
	DEV_Printable Worksheet - Perimeter and the Concept of Area	pdf	Developing
	DEV_Printable Worksheet - Area of Composite Figures	pdf	Developing
	DEV_Printable Worksheet - Word Problems Involving Composite Figures	pdf	Developing
	DEV_eContent - Area of Composite Figures_BU	html	Developing
	DEV_eContent - Area of Composite Figures_STR	html	Developing
	DEV_eContent - Area of Composite Figures_MAS	html	Developing

parts of a circle, including circumference	DEV_Video - Find the Circumference of a Circle	video	Developing
	DEV_Video - Relate Diameter and Circumference	video	Developing
	DEV_Discussion Presentation - Circumference	ppt	Developing
	DEV_Discussion Presentation - Word Problems Involving Circumference	ppt	Developing
	DEV_Discussion Presentation - The Circle	ppt	Developing
	DEV_Discussion Presentation - Circle and Other Related Terms	ppt	Developing
	DEV_Printable Worksheet - Circumference	pdf	Developing
	DEV_Printable Worksheet - Word Problems Involving Circumference	pdf	Developing
	DEV_Printable Worksheet - The Circle	pdf	Developing
	DEV_Printable Worksheet - Circle and Other Related Terms	pdf	Developing
	DEV_eContent - Circles_BU	html	Developing
	DEV_eContent - Circles_STR	html	Developing
	DEV_eContent - Circles_MAS	html	Developing
	PRO_Video - Finding the Circumference of a Circle	video	Proficient
	PRO_Video - Parts of a Circle	video	Proficient

Q4			
area of a circle	DEV_Video - Circles Area and Circles	video	Developing
	DEV_Video - Find the Area of a Circle	video	Developing
	DEV_Video - Informally Prove the Area of a Circle	video	Developing
	DEV_Discussion Presentation - The Area of a Circle	ppt	Developing
	DEV_Discussion Presentation - Word Problems Involving the Area of a Circle	ppt	Developing
	DEV_Printable Worksheet - The Area of a Circle	pdf	Developing
	DEV_Printable Worksheet - Word Problems Involving the Area of a Circle	pdf	Developing
composite figures composed of any two or more of: triangle, square, rectangle, circle, semi-circle	DEV_Video - Finding the Area of Composite Figures	video	Developing
	DEV_Video - How to find the Area and Circumference of a Circle (Circles Part 1)	video	Developing
	DEV_Video - Use Area of a Circle to Solve for Circumference	video	Developing
	DEV_Video - Use Circumference to Solve for Area	video	Developing
pie graphs	DEV_Video - Pie Charts	video	Developing
	DEV_Discussion Presentation - Constructing and Interpreting Pie Graphs or Circle Graphs	ppt	Developing
	DEV_Discussion Presentation - Routine and Nonroutine Problems Using Data of Pie or Circle Graphs	ppt	Developing
	DEV_Printable Worksheet - Constructing and Interpreting Pie Graphs or Circle Graphs	pdf	Developing
	DEV_Printable Worksheet - Routine and Nonroutine Problems Using Data of Pie or Circle Graphs	pdf	Developing
	PRO_Video - Statistics - Pie Charts	video	Proficient
common factors, greatest common factors, common multiples, and least common multiples	BEG_Discussion Presentation - Identifying Multiples of a Number	ppt	Beginning
	DEV_Video - Applications of HCF/LCM	video	Developing
	DEV_Video - How to Find the Highest Common Factor	video	Developing
	DEV_Video - How to Find the Lowest Common Multiple (LCM)	video	Developing
	DEV_Video - Using GCFs and LCMs Open Response	video	Developing
	DEV_Discussion Presentation - Identifying Factors of a Number	ppt	Developing
	DEV_Discussion Presentation - Finding the Least Common Multiple (LCM) Using the Prime Factorization Method	ppt	Developing
	DEV_Discussion Presentation - Finding the Least Common Multiple (LCM) Using the Continuous Division Method	ppt	Developing
	DEV_Discussion Presentation - Solving Real-life Problems Involving the Greatest Common Factor (GCF) and the Least Common Multiple (LCM) of Two Numbers	ppt	Developing
	DEV_Discussion Presentation - Determining the Prime Factorization of a Number	ppt	Developing
	DEV_Discussion Presentation - Finding the GCF Using Listing Method	ppt	Developing
	DEV_Discussion Presentation - Finding the GCF Using Prime Factorization Method	ppt	Developing
	DEV_Discussion Presentation - Finding the GCF Using Continuous Division by Primes Method	ppt	Developing

common factors, greatest common factors, common multiples, and least common multiples	DEV_Discussion Presentation - Solving Problem Involving GCF	ppt	Developing
	DEV_Discussion Presentation - Finding the Least Common Multiple (LCM) Using the Listing Method	ppt	Developing
	DEV_Discussion Presentation - Finding the LCM Using Continuous Division by Primes Method	ppt	Developing
	DEV_Discussion Presentation - Solving Word Problems Involving GCF and LCM	ppt	Developing
	DEV_Printable Worksheet - Identifying Factors of a Number	pdf	Developing
	DEV_Printable Worksheet - Finding the Least Common Multiple (LCM) Using the Prime Factorization Method	pdf	Developing
	DEV_Printable Worksheet - Finding the Least Common Multiple (LCM) Using the Continuous Division Method	pdf	Developing
	DEV_Printable Worksheet - Solving Real-life Problems Involving the Greatest Common Factor (GCF) and the Least Common Multiple (LCM) of Two Numbers	pdf	Developing
	DEV_Printable Worksheet - Identifying Multiples of a Number	pdf	Developing
	DEV_Printable Worksheet - Determining the Prime Factorization of a Number	pdf	Developing
	DEV_Printable Worksheet - Finding the GCF Using Listing Method	pdf	Developing
	DEV_Printable Worksheet - Finding the GCF Using Prime Factorization Method	pdf	Developing
	DEV_Printable Worksheet - Finding the GCF Using Continuous Division by Primes Method	pdf	Developing
	DEV_Printable Worksheet - Solving Problem Involving GCF	pdf	Developing
	DEV_Printable Worksheet - Finding the Least Common Multiple (LCM) Using the Listing Method	pdf	Developing
	DEV_Printable Worksheet - Finding the LCM Using Continuous Division by Primes Method	pdf	Developing
	DEV_Printable Worksheet - Solving Word Problems Involving GCF and LCM	pdf	Developing
	DEV_eContent - GCF and LCM_BU	html	Developing
	DEV_eContent - GCF and LCM_STR	html	Developing
	DEV_eContent - GCF and LCM_MAS	html	Developing
	PRO_Video - Divisibility, Prime Numbers, and Prime Factorization	video	Proficient
	PRO_Video - Greatest Common Factor (GCF)	video	Proficient
	PRO_Video - Least Common Multiple (LCM)	video	Proficient
	PRO_Video - Prime Factorisation to Find HCF/LCM	video	Proficient