Math Flow Chart

Upper Elementary

Number Sense | Algebraic Reasoning

DECIMALS	DECIMAL CONCEPTS	FRACTIONS	FRACTION CONCEPTS	EXPLORATION	EXPLORATION CONCEPTS	
× and ÷ with whole numbers Complete						
4TH						
Introduction to decimals with word problems		Advanced Fractions with word problems				
• Introduction to decimals • + of decimals • – of decimals • Decimals × whole number	• Reading and writing whole numbers • Reading and writing decimals • Fractions to decimals • Rounding • Decimals to fractions • Mean, median, mode	• + with like denominators • – with like denominators • + and – with mixed numbers • fraction × fraction	• equivalences • GCF & LCM • Reducing • Prime numbers • Exponents • Probability			Historical Math Roman ↓ Egyptian
5TH						
• Decimal × decimal • Decimal ÷ whole number • Whole number ÷ decimal	• Mathematical symbols • Words to equations • Properties of numbers • Exponents • Scientific notation	• Fraction ÷ fraction • Mixed numbers • Cross canceling • 3 addends	• Ratios • Proportions • Scale Factor	• × of binomial • Square guides • Square roots	• latice × • Napier's Bones • Algebraic expressions • Classification of numbers • Order of operations • + and – of negative numbers • Cross multiplication	↓ Greek ↓ Hindu
6TH						
• Decimal ÷ decimal • % to decimal • Fraction to decimal to %	• Operations with exponents • Order of operations • Fractions to decimals (denominators other than 10) • Rules of divisibility • Percentage, base, rate			• Special cases • square to cube • cube to successive cube • cube to nonsuccessive cube • cube root • alternative bases Pre Algebra	• – of negatives • Properties of numbers • Inequalities • ÷ of negative numbers • × of negative numbers • Percentage, base, rate	↓ Mayan ↓ Babylonian