

Paradigm Math 3 Correlation to Utah Core Standards

Concept Name	Utah Core Standards
Basic Operations	
Decimals, Fractions, Integers, Order of Operations, Least Common Multiple, Greatest Common Factor, Scientific Notation, Mean, Median, Mode, Average	
Proportion & Probability	
Probability, Geometric Series	III.1.S.IC.2 III.2.A.SSE.4 III.1.S.IC.1
Ratio & Proportion	III.1.S.IC.4 III.4.G.MG.2
Rate	III.4.A.CED.2
Variable Manipulation	
Exponents & Square Roots	III.2.A.SSE.2 III.4.A.CED.1 III.4.A.CED.2 III.4.A.CED.4
Complex Numbers	III.2.N.CN.8
Data Collection, Representation & Interpretation (Union, Intersection, Complement)	III.1.S.IC.3 III.1.S.IC.4 III.1.S.IC.5 III.1.S.IC.6 III.4.F.IF.4 III.4.F.IF.5 III.4.F.IF.9 III.1.S.ID.4
Manipulating Polynomials	III.2.N.CN.8 III.2.N.CN.9 III.2.A.SSE.1 III.2.A.APR.6 III.2.A.APR.7
Algebraic Operations in Contextual Situations	III.4.A.CED.2 III.4.A.CED.3 III.4.A.CED.4 III.4.F.BF.1
Solving Algebraic Expressions	III.2.A.REI.2
Systems of Equations	III.2.A.APR.1 III.2.A.REI.11
Exponential Equations	III.4.A.CED.1 III.4.F.LE.4

Quadratic Equations and Factoring	III.2.A.APR.2 III.2.A.APR.4
Plane Geometry	
Angles	III.3.F.TF.2 III.3.F.TF.3
Translations, Rotations, Dilations, Inverse	III.4.F.BF.3 III.4.F.BF.4 III.4.G.GMD.4 III.4.G.MG.1
Triangles— Pythagorean Theorem, Inscribed, Congruent, Sine, Cosine, Tangent	III.3.F.TF.2 III.3.F.TF.3 III.3.F.TF.5
Circles—Inscribed, Tangents, Area, Circumference, Arc Length	III.3.F.TF.1 III.3.F.TF.3
Planar & 3D Shapes, Cross Sections, Perimeter, Circumference, Area, Volume	III.4.G.GMD.4 III.4.G.MG.1 III.4.G.MG.3
Coordinate Geometry	
Functions—Notation, Domain & Range, Inverse, Asymptotes	III.2.F.IF.7 III.4.A.CED.3 III.4.F.IF.5 III.4.F.IF.8
Graphs—Linear, Exponential and Quadratic (from graphs, algebraic notation, tables & descriptions)	III.2.A.REI.11
Graphs—Intercepts, Slope, Area, Roots	III.2.A.APR.3
Graphs—Midpoints, Distance, Parallel & Perpendicular, Inverse	III.4.F.BF.4
Graphs—Interpretation, Rate of Change, Frequency, Period	III.3.F.TF.5 III.4.A.CED.2 III.4.F.IF.6 III.4.F.IF.7 III.4.F.IF.8
Graphs—Circles and Curves	III.3.F.TF.1 III.3.F.TF.2
Graphs-Parabolas	III.4.A.CED.3
Standards Not Included	
Pascal’s Triangle	III.2.A.APR.5