

## Standards Index: AoPS and Brilliant

This document summarizes how CCSS-aligned standards connect to AoPS chapters and core Brilliant Math Tab courses. Only core Brilliant courses are included. Enrichment and Data Tab content are intentionally excluded.

Standard	AoPS Alignment	Relevant Brilliant Courses
5.NBT.7	Prealg Ch. 1, 6	Arithmetic Thinking
5.NF.1	Prealg Ch. 4	Arithmetic Thinking, Proportional Reasoning
5.NF.2	Prealg Ch. 4	Arithmetic Thinking
5.NF.3	Prealg Ch. 1, 4	Arithmetic Thinking
5.NF.4	Prealg Ch. 4	Arithmetic Thinking
5.NF.6	Prealg Ch. 4	Arithmetic Thinking
6.NS.1	Prealg Ch. 1, 3, 4	Arithmetic Thinking, Number Theory
6.NS.2	Prealg Ch. 1, 6	Arithmetic Thinking
6.NS.3	Prealg Ch. 1, 6	Arithmetic Thinking
6.NS.4	Prealg Ch. 3	Number Theory
4.OA.4	Prealg Ch. 3	Number Theory
4.NF.6	Prealg Ch. 6	Arithmetic Thinking
6.EE.1	Prealg Ch. 2; Intro Alg Ch. 1	Arithmetic Thinking, Exponential Functions
6.EE.2	Prealg Ch. 5; Intro Alg Ch. 1, 2, 4	Solving Equations, Visual Algebra
6.EE.3	Prealg Ch. 5; Intro Alg Ch. 1, 2	Visual Algebra, Solving Equations
6.EE.5	Prealg Ch. 5	Solving Equations
6.EE.6	Prealg Ch. 5	Solving Equations
6.EE.7	Prealg Ch. 5; Intro Alg Ch. 3	Solving Equations
6.EE.8	Prealg Ch. 5; Intro Alg Ch. 9	Solving Equations, Visual Algebra
7.EE.1	Intro Alg Ch. 1, 2, 4	Visual Algebra, Solving Equations
7.EE.2	Intro Alg Ch. 1, 2, 4	Visual Algebra
7.EE.3	Intro Alg Ch. 2	Solving Equations
7.EE.4	Intro Alg Ch. 3, 9	Solving Equations
8.EE.1	Prealg Ch. 2; Intro Alg Ch. 1	Exponential Functions, Arithmetic Thinking
8.EE.2	Prealg Ch. 9; Intro Alg Ch. 1	Quadratics, Geometry and Measurement
8.EE.5	Intro Alg Ch. 8	Coordinate Plane, Coordinate Geometry
8.EE.6	Intro Alg Ch. 8	Coordinate Plane, Functions
8.EE.7	Intro Alg Ch. 3, 5, 9	Solving Equations
8.EE.8	Intro Alg Ch. 5, 8	Solving Equations, Coordinate Geometry
6.RP.1	Prealg Ch. 7	Proportional Reasoning
6.RP.2	Prealg Ch. 7	Proportional Reasoning
6.RP.3	Prealg Ch. 7, 8; Intro Alg Ch. 6, 7	Proportional Reasoning, Real World Algebra
6.RP.3.c	Prealg Ch. 8	Proportional Reasoning, Real World Algebra
7.RP.1	Prealg Ch. 7	Proportional Reasoning
7.RP.2	Prealg Ch. 7; Intro Alg Ch. 6, 7, 8	Proportional Reasoning, Real World Algebra, Coordinate Plane
7.RP.3	Prealg Ch. 8; Intro Alg Ch. 6, 7	Proportional Reasoning, Real World Algebra
4.MD.5	Prealg Ch. 10	Geometry and Measurement

<b>Standard</b>	<b>AoPS Alignment</b>	<b>Relevant Brilliant Courses</b>
4.MD.6	Prealg Ch. 10	Geometry and Measurement
4.MD.7	Prealg Ch. 10	Geometry and Measurement
6.G.1	Prealg Ch. 11	Geometry and Measurement
7.G.2	Prealg Ch. 12	Geometry and Measurement
7.G.4	Prealg Ch. 11	Geometry and Measurement
7.G.5	Prealg Ch. 10	Geometry and Measurement
7.G.6	Prealg Ch. 11	Geometry and Measurement
8.G.5	Prealg Ch. 10	Geometry and Measurement, Coordinate Geometry
8.G.6	Prealg Ch. 12	Coordinate Geometry
8.G.7	Prealg Ch. 12	Coordinate Geometry
8.G.8	Prealg Ch. 12; Intro Alg Ch. 5	Coordinate Geometry
6.SP.1	Prealg Ch. 13	Everyday Statistics
6.SP.2	Prealg Ch. 13	Everyday Statistics
6.SP.4	Prealg Ch. 13	Everyday Statistics
6.SP.5	Prealg Ch. 13	Everyday Statistics
7.SP.1	Prealg Ch. 13	Everyday Statistics
7.SP.2	Prealg Ch. 13	Everyday Statistics
7.SP.7	Prealg Ch. 14	Probability and Chance
7.SP.8	Prealg Ch. 14	Probability and Chance
HSS.CP.1	Prealg Ch. 14	Probability and Chance
HSS.CP.2	Prealg Ch. 14	Probability and Chance
HSS.CP.3	Prealg Ch. 14	Probability and Chance
A.SSE.1	Intro Alg Ch. 10, 18	Quadratics, Visual Algebra
A.SSE.2	Intro Alg Ch. 10, 11	Quadratics
A.SSE.3.c	Intro Alg Ch. 13	Quadratics
A.REI.4	Intro Alg Ch. 10, 13	Quadratics
A.REI.11	Intro Alg Ch. 15	Quadratics, Functions
A.APR.1	Intro Alg Ch. 11, 18	Visual Algebra, Quadratics
8.F.1	Intro Alg Ch. 16	Functions
8.F.2	Intro Alg Ch. 17	Functions
8.F.3	Intro Alg Ch. 16	Functions
8.F.4	Intro Alg Ch. 17	Functions
8.F.5	Intro Alg Ch. 16, 17	Functions
HSF.IF.1	Intro Alg Ch. 16	Functions
HSF.IF.2	Intro Alg Ch. 20	Functions, Coordinate Transformations
HSF.IF.3	Intro Alg Ch. 16	Functions
HSF.IF.7	Intro Alg Ch. 17, 20	Functions, Coordinate Transformations
HSF.BF.1	Intro Alg Ch. 16, 20	Functions, Coordinate Transformations
HSF.BF.2	Intro Alg Ch. 16, 20	Functions, Coordinate Transformations
8.EE.3	Intro Alg Ch. 19	Exponential Functions, Real World Algebra
8.EE.4	Intro Alg Ch. 19	Exponential Functions, Real World Algebra
HSF.LE.1	Intro Alg Ch. 19	Exponential Functions
HSF.LE.2	Intro Alg Ch. 19	Exponential Functions

<b>Standard</b>	<b>AoPS Alignment</b>	<b>Relevant Brilliant Courses</b>
HSF.LE.4	Intro Alg Ch. 19	Exponential Functions