

Intersection¹ of Badge Content with CCSS Clusters

To support educators in aligning their curriculum with the XQ Math Badging Framework, the table below maps each badge to the relevant Common Core State Standards for Mathematics (CCSSM). This resource is designed to help educators identify where standards are addressed within the badge framework and to support strategic planning for instruction, and student portfolio development.

Badge	CCSS content clusters with content intersecting the badge
M100	4.MD.A, 5.MD.A, 5.MD.C, 5.G.A, 6.RP.A, 6.G.A, 6.SP.B, 7.RP.A, 7.EE.B, 7.G.A, 7.G.B, 8.EE.A, 8.F.B, 8.G.B, 8.G.C, N-Q.A
M101	6.EE.B, 7.EE.B, 8.EE.C, A-REI.D
M102	8.EE.C, 8.F.B, F-IF.B, F-BF.A, F-LE.B, A-CED.A, A-REI.B
M103	A-CED.A, F-IF.B, F-IF.C, F-BF.A, HSS-ID.B
M104	F-IF.B, F-IF.C, F-BF.A, F-LE.A, F-LE.B, HSS-ID.B
M111	6.SP.A, 6.SP.B, 7.SP.B, HSS-ID.A
M112	HSS-ID.B, HSS-ID.C
M113	7.SP.C, HSS-IC.A, HSS-CP.A, HSS-CP.B
M151	HSG-GMD.A, HSG-GMD.B, HSG-MG.A
M152	HSG-CO.A, HSG-CO.B, HSG-CO.C, HSG-CO.D
M153	HSG-SRT.A, HSG-SRT.B
M154	HSG-GPE.A, HSG-GPE.B
M155	G-SRT.C

¹ The term “intersection” refers to the list of standards from which content will be drawn to create the badge, but signals that the coverage will not be comprehensive of the entire cluster in many cases.

Badge	CCSS content clusters with content intersecting the badge
M201	HSF-IF.A, HSF-IF.C, HSF-BF.B
M202	HSN-RN.A, HSN-CN.A, HSN-CN.C
M203	HSA-SSE.A, HSA-APR.A, HSA-APR.B, HSA-APR.C, HSA-APR.D, HSF-IF.B
M204	HSA-SSE.B, HSF-IF.B, HSF-BF.A, HSF-BF.B, HSF-LE.A, HSF-LE.B
M205	F-TF.A, F-TF.B
M211	HSS-ID.A, HSS-ID.B, HSS-ID.C
M212	HSS-MD.A, HSS-MD.B
M213	HSS-CP.A, HSS-CP.B
M214	HSS-ID.B
M215	HSS-IC.A, HSS-IC.B

Intersection of CCSS Domains with Badge Content

The table below highlights the intersection between Common Core State Standards (CCSS) domains and XQ Math Badge content, offering a high-level view of where key mathematical concepts appear across the badges. This tool can be especially useful for educators during curriculum mapping or unit planning, helping them ensure comprehensive domain coverage and make intentional choices about which badges to integrate based on the focus of instruction.

CCSS content domain	Badges with content intersecting the domain
4.MD, 5.MD Measurement and Data	M100
5.G, 6.G, 7.G, 8.G Geometry	M100

CCSS content domain	Badges with content intersecting the domain
6.RP, 7.RP Ratios and Proportional Relationships	M100
6.NS The Number System	M100
6.EE, 7.EE Expressions and Equations	M101
6.SP Statistics and Probability	M100, M111
7.NS The Number System	n/a ²
7.SP Statistics and Probability	M111, M113
8.NS The Number System	n/a ³
8.EE Expressions and Equations	M100, M101, M102
8.F Functions	M100, M102
8.SP Statistics and Probability	M212, M214
HSN-RN The Real Number System	M202
HSN-Q Quantities	M100
HSN-CN The Complex Number System	M202
HSA-SSE Seeing Structure in Expressions	M103, M202, M203, M204
HSA-APR Arithmetic with Polynomials and Rational Expressions	M203
HSA-CED Creating Equations	M102, M103, M104, M204
HSA-REI Reasoning with Equations and Inequalities	M101, M102, M103, M204
HSF-IF Interpreting Functions	M102, M103, M104, M201, M203, M204
HSF-BF Building Functions	M102, M103, M104, M201, M204
HSF-TF Trigonometric Functions	M205
HSF-LE Linear, Quadratic, And Exponential Models	M102, M104, M204
HSG-CO Congruence	M152
HSG-SRT Similarity, Right Triangles, And Trigonometry	M151, M153, M155

² 7.NS is a developmental domain for extending calculation from fractions to rational numbers. Badges do require calculation with rational numbers, but numerical calculation is positioned as a completed body of knowledge, not as an object of study per se.

³ 8.NS is a developmental domain that initiates the extension of the number system from the rationals to the reals. This work is superseded by high school domains.

CCSS content domain	Badges with content intersecting the domain
HSG-C Circles	M152, M153
HSG-GPE Expressing Geometric Properties with Equations	M154
HSG-GMD Geometric Measurement and Dimension	M151
HSG-MG Modeling with Geometry	M151
HSS-ID Interpreting Categorical and Quantitative Data	M103, M104, M111, M112, M211
HSS-IC Making Inferences and Justifying Conclusions	M113, M215
HSS-CP Conditional Probability and The Rules of Probability	M113, M213
HSS-MD Using Probability to Make Decisions	M113, M212

Note: The table does not include N-VM Vector and Matrix Quantities, which are not in the current scope of the project but could potentially be addressed later with additional badges