

8th Grade

Correlation of the Macmillan/McGraw-Hill•Glencoe MATH CONNECTS and MATHSCAPE MATHEMATICS to Washington Essential Academic Learning Requirements and Grade Level Expectations for Mathematics, Grade 8

Performance Expectation	Alt Grade	Specific Location(s) (i.e. page #, section #)	Additional notes
8.1.A		Math Connects: Chapter 1 - Sections 9, 10, Chapter 8 - Sections 2, 4; Mathscape: Exploring the Unknown – pps. 204-207; pps. 219-221	
8.1.B		Math Connects: Chapter 8 - Sections 6, 7, 8; Mathscape: Language of Algebra – pps. 186-187; p. 207; p. 213; pps. 221-222 (Dr. Math)	
8.1.C		Math Connects: Chapter 9 - Sections 1, 2, 3, 5, 6, 7; Mathscape: Language of Algebra – pps. 204-205; pps. 210-211; p. 220	
8.1.D		Math Connects: Chapter 9 - Sections 4, 6; Mathscape: Family Portraits – pps. 280-285; pps. 305-307	
8.1.E		Math Connects: Chapter 9 - Sections 4, 5, 6; Mathscape: Family Portraits – p. 305 (Prob. #16); p. 306 (Prob. #24)	
8.1.F		Math Connects: Chapter 9 - Sections 4, 5, 6; Mathscape: Family Portraits – p. 304 (#14-15); p. 305 (Prob. #16); p. 306 (Prob. #24)	
8.1.G		Math Connects: Chapter 4 - Section 4, Chapter 10 - Section 1; Mathscape: Family Portraits – pps. 288-289; p. 308; p. 309 (Prob. #17)	
8.2.A		Math Connects: Chapter 6 - Section 1	
8.2.B		Math Connects: Chapter 6 - Section 1	
8.2.C		Math Connects: Chapter 6 - Section 3; Mathscape: Getting in Shape – p. 276; pps. 286-287; p. 303; p. 307	
8.2.D		Math Connects: Chapter 4 - Section 8, Chapter 6 - Sections 5, 6, 7; Mathscape: Getting in Shape – pps. 288-289; p. 308	
8.2.E		Math Connects: Chapter 3 - Sections 1, 2; Mathscape: Getting in Shape – pps. 288-289; p. 308	

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8.2.F		Math Connects: Explore Activities in Chapter 3 - Sections 5 pgs 162 - 166, and Section 6; Mathscape: Making Mathematical Arguments – pps. 106-107; pps. 128-129	
8.2.G		Math Connects: Chapter 3 - Section 7	
8.3.A		Math Connects: Chapter 11 - Sections 4, 5, 6, 7; Mathscape: Looking Behind the Numbers – Teacher’s Guide 12A (Outliers); pps. 12-17; pps. 37-38	
8.3.B		Math Connects: Chapter 11 - Sections 6, 7, 8; Mathscape: Looking Behind the Numbers – pps. 18-23; pps. 39-41	
8.3.C		Math Connects: Chapter 9 - Section 9; Mathscape: Looking Behind the Numbers – pps. 18-23; pps. 39-41	
8.3.D		Math Connects: Chapter 12 - Section 5; Mathscape: Looking Behind the Numbers – p. 35 (Probs. 9-15); p. 38 (Probs. 6-8)	
8.3.E		Math Connects: p. 654; Mathscape: What Comes Next – p. 174 (Prob. #9)	
8.3.F		Math Connects: Chapter 12 - Section 2; Mathscape: What Does the Data Say? – pps. 34-35 (Only Independent Events) , Chance Encounters – pps. 66-69; pps. 86-87 (Only Independent Events)	
8.3.G		Math Connects: Chapter 3 - Section 3, Chapter 12 - Section 1; Mathscape: Looking Behind the Numbers - pps. 26-33; pps. 42-45; Getting in Shape - Teacher’s Guide 282; p. 285	
8.4.A		Math Connects: Chapter 2 - Section 10; Mathscape: Family Portraits – pps. 300-301; p. 313	

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8.4.B		Math Connects: Chapter 2 - Section 10; Mathscape: Family Portraits – pps. 300-301; p. 313	
8.4.C		Math Connects: Chapter 1 - Section 2, Chapter 2 - Section 9, Chapter 10 - Sections 5, 6, 7; Mathscape: Family Portraits – pps. 296-299; pps. 311-312	
8.4.D		Math Connects: Chapter 2 - Section 1, Chapter 3 - Section 4; Mathscape: Besides the Point – Teacher’s Guide – 228A (Rational and Irrational); pps. 228-229 (Repeating and Terminating Decimals – rational)	
8.5.A		Math Connects: Chapter 1- Sections 1, 8, Chapter 2 - Section 8, Chapter 3 - Section 3, Chapter 4 - Section 6, Chapter 5 - Section 5, Chapter 6 - Section 2; Mathscape: Exploring the Unknown – pps. 208-209; p, 221	All problem solving starts with 'understanding' the problem and determining what is being asked.
8.5.B		Math Connects: Chapter 1 - Section 1; Mathscape: Shapes and Space – pps. 120-121	There are no lessons that specifically address looking at a problem for extra, relevant, extraneous, or misleading information.
8.5.C		Math Connects; Chapter 1 - Section 8, Chapter 2 - Section 8, Chapter 3 - Section 3, Chapter 4 - Section 6, Chapter 5 - Section 5; Mathscape: What Comes Next – pps. 162-163	All problem solving investigations offer problems that can be solved by other strategies and the student must determine which strategy to use.
8.5.D		Math Connects: Chapter 1 - Sections 1, 8, Chapter 2 - Section 8, Chapter 3 - Section 3, Chapter 4 - Section 6, Chapter 5 - Section 5; Mathscape: Mathematics of Motion - pps. 76-77	To describe a process and verify the solution is part of every problem solving activity.
8.5.E		Math Connects: Chapter 1 - Sections 1, 8, Chapter 2 - Section 8, Chapter 3 - Section 3, Chapter 4 - Section 6, Chapter 5 - Section 5, Chapter 6 - Section 2; Mathscape: Mathematics of Motion - pps. 76-77	To communicate the solution is part of every problem solving activity.

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8.5.F		Math Connects: Chapter 1 - Section 8, Chapter 2 - Section 8, Chapter 3 - Section 3, Chapter 4 - Section 6, Chapter 5 - Section 5, Chapter 6 - Section 2; Mathscape: Roads and Ramps - pps. 254-255	All problem solving investigations offer problems that can be solved by other strategies and the student must determine which strategy to use.
8.5.G		Math Connects: Chapter 11 - Section 3, p. 390 (#1), Mathscape: Mathematics of Motion - pps. 76-77; Shapes and Space – pps. 120-121	
8.5.H		Math Connects: Chapter 12 - Section 3; Mathscape: What Comes Next – pps. 162-165	