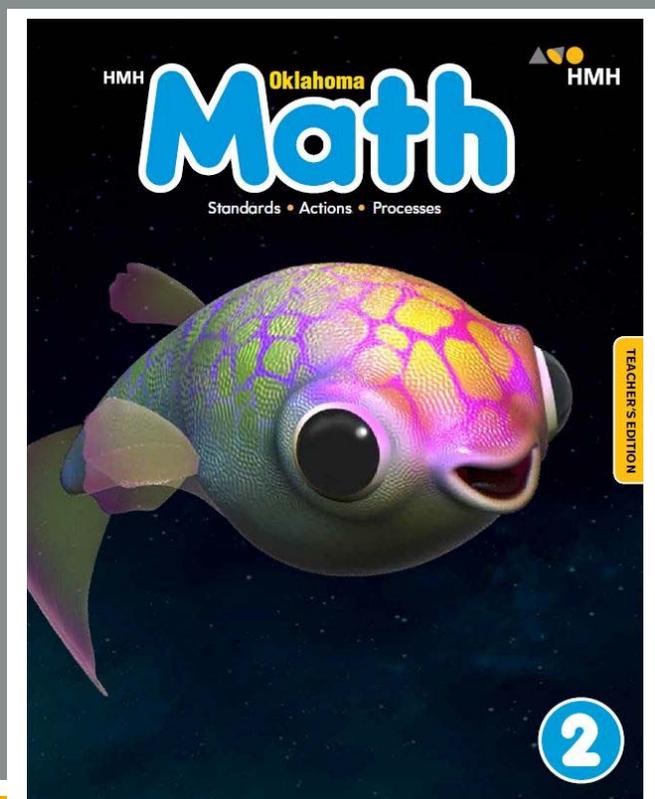Correlation to the
Oklahoma Academic Standards
for Mathematics
Grade 2

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correlated to the

Oklahoma Academic Standards for Mathematics (2016)
Grade 2

Citations		Standard	Descriptor
2.N.1 Compare and represent whole numbers up to 1,000 with an emphasis on place value and equality.			
SE/TE:	3–4, 5–6, 7–8, 9–10, 11–12, 15–16, 101–102, 117–118, 187–188, 193–194, 281–282, 283–284, 285–286, 287–288, 289–290, 291–292, 295–296, 297–298	2.N.1.1	Read, write, discuss, and represent whole numbers up to 1,000. Representations may include numerals, words, pictures, tally marks, number lines and manipulatives.
SE/TE:	15–16	2.N.1.2	Use knowledge of number relationships to locate the position of a given whole number on an open number line up to 100.
SE/TE:	5–6, 7–8, 9–10, 11–12, 281–282, 283–284, 285–286, 287–288, 289–290, 295–296, 297–298	2.N.1.3	Use place value to describe whole numbers between 10 and 1,000 in terms of hundreds, tens and ones. Know that 100 is 10 tens, and 1,000 is 10 hundreds.
SE/TE:	299–300, 301–302	2.N.1.4	Find 10 more or 10 less than a given three-digit number. Find 100 more or 100 less than a given three-digit number.
SE/TE:	17–18, 319–320	2.N.1.5	Recognize when to round numbers to the nearest 10 and 100.
SE/TE:	313–314, 315–316, 317–318	2.N.1.6	Use place value to compare and order whole numbers up to 1,000 using comparative language, numbers, and symbols (e.g., 425 > 276, 73 < 107, page 351 comes after page 350, 753 is between 700 and 800).

Citations	Standard	Descriptor
2.N.2 Add and subtract one- and two-digit numbers in real-world and mathematical problems.		
SE/TE: 53–54, 55–56	2.N.2.1	Use the relationship between addition and subtraction to generate basic facts up to 20.
SE/TE: 43–44, 45–46, 47–48, 49–50, 53–54, 55–56, 57–58	2.N.2.2	Demonstrate fluency with basic addition facts and related subtraction facts up to 20.
SE/TE: 73–74, 103–104	2.N.2.3	Estimate sums and differences up to 100.
SE/TE: 67–68, 69–70, 71–72, 75–76, 77–78, 81–82, 83–84, 85–86, 87–88, 89–90, 99–100, 101–102, 105–106, 107–108, 111–112, 113–114, 115–116, 117–118, 139–140, 141–142, 143–144, 145–146	2.N.2.4	Use strategies and algorithms based on knowledge of place value and equality to add and subtract two-digit numbers.
SE/TE: 67–68, 69–70, 71–72, 75–76, 77–78, 81–82, 83–84, 85–86, 87–88, 89–90, 99–100, 101–102, 105–106, 107–108, 111–112, 113–114, 115–116, 117–118, 119–120, 129–130, 131–132, 139–140, 141–142, 143–144, 145–146, 245–246	2.N.2.5	Solve real-world and mathematical addition and subtraction problems involving whole numbers up to 2 digits.
SE/TE: 267–268, 269–270, 271–272	2.N.2.6	Use concrete models and structured arrangements, such as repeated addition, arrays and ten frames to develop understanding of multiplication.
2.N.3 Explore the foundational ideas of fractions.		
SE/TE: 209–210, 213–214, 221–222	2.N.3.1	Identify the parts of a set and area that represent fractions for halves, thirds, and fourths.
SE/TE: 211–212, 213–214, 215–216, 219–220, 223–224	2.N.3.2	Construct equal-sized portions through fair sharing including length, set, and area models for halves, thirds, and fourths.

Citations	Standard	Descriptor
2.N.4 Determine the value of a set of coins.		
SE/TE: 257–258, 259–260, 261–262	2.N.4.1	Determine the value of a collection(s) of coins up to one dollar using the cent symbol.
SE/TE: 263–264	2.N.4.2	Use a combination of coins to represent a given amount of money up to one dollar.
2.A.1 Describe the relationship found in patterns to solve real-world and mathematical problems.		
SE/TE: 27–28, 29–30, 31–32, 33–34, 301–302, 303–304	2.A.1.1	Represent, create, describe, complete, and extend growing and shrinking patterns with quantity and numbers in a variety of real-world and mathematical contexts.
SE/TE: 169–170	2.A.1.2	Represent and describe repeating patterns involving shapes in a variety of contexts.
2.A.2 Use number sentences involving unknowns to represent and solve real-world and mathematical problems.		
SE/TE: 135–136	2.A.2.1	Use objects and number lines to represent number sentences.
SE/TE: 129–130, 131–132, 139–140, 141–142, 143–144,	2.A.2.2	Generate real-world situations to represent number sentences and vice versa.
SE/TE: 45–46, 49–50, 133–134	2.A.2.3	Apply commutative and identity properties and number sense to find values for unknowns that make number sentences involving addition and subtraction true or false.
2.GM.1 Analyze attributes of two-dimensional figures and develop generalizations about their properties.		
SE/TE: 157–158, 165–166	2.GM.1.1	Recognize trapezoids and hexagons.
SE/TE: 157–158, 159–160, 165–166	2.GM.1.2	Describe, compare, and classify two-dimensional figures according to their geometric attributes.
SE/TE: 167–168	2.GM.1.3	Compose two-dimensional shapes using triangles, squares, hexagons, trapezoids, and rhombi.
SE/TE: 161–162	2.GM.1.4	Recognize right angles and classify angles as smaller or larger than a right angle.

Citations	Standard	Descriptor
2.GM.2 Understand length as a measurable attribute and explore capacity.		
SE/TE: 237–238, 243–244	2.GM.2.1	Explain the relationship between the size of the unit of measurement and the number of units needed to measure the length of an object.
SE/TE: 233–234, 235–236, 237–238, 241–242, 243–244, 245–246	2.GM.2.2	Explain the relationship between length and the numbers on a ruler by using a ruler to measure lengths to the nearest whole unit.
SE/TE: 247–248	2.GM.2.3	Explore how varying shapes and styles of containers can have the same capacity.
2.GM.3 Tell time to the quarter hour.		
SE/TE: 179–180, 181–182, 183–184	2.GM.3.1	Read and write time to the quarter-hour on an analog and digital clock. Distinguish between a.m. and p.m.
2.D.1 Collect, organize, and interpret data.		
SE/TE: 189–190, 195–196	2.D.1.1	Explain that the length of a bar in a bar graph or the number of objects in a picture graph represents the number of data points for a given category.
SE/TE: 193–194, 197–198, 199–200	2.D.1.2	Organize a collection of data with up to four categories using pictographs and bar graphs with intervals of 1s, 2s, 5s or 10s.
SE/TE: 191–192, 195–196, 199–200	2.D.1.3	Write and solve one-step word problems involving addition or subtraction using data represented within pictographs and bar graphs with intervals of one.
SE/TE: 199–200	2.D.1.4	Draw conclusions and make predictions from information in a graph.