

Houston County School District

Formative Assessments Pacing Guide for 3rd Grade Math Standards

AL COS Standards	Month skills will be Introduced	Vocabulary	Date Tested	Resources	Names of Students with Non-Mastery
Number and Operations					
<p>1. Demonstrate number sense by comparing, ordering, and expanding whole numbers through 9999.</p> <p>ARMT Blueprint:</p> <ul style="list-style-type: none"> • Multiple Choice- 4 items <p>Additional Minimum Required Content:</p> <ul style="list-style-type: none"> • Comparing numbers using the symbols $>$, $<$, and \neq • Identifying the place value of any digit within a four-digit number • Writing a four-digit number in words and locating it on a number line • Determining the value of a number written in expanded notation to the ten-thousands place Ex: $3,000 + 400 + 20 + 1 = 3,421$ • Rounding whole numbers to the nearest ten and hundred and money values to the nearest dollar 	August	sum greater than less than greatest least more than between total digit numeral	October	Frog Publications "Drops in the Bucket" Buckle Down ARMT Coach <u>Lessons 1, 1, 7</u> Power points (Item Specifications & Annotated Packets) Saxon-11, <u>32</u> <u>5,12,29,32,41</u> <u>4, 15, 17, 27,33,48, 13, 14,</u> <u>43, 49, 99, 39,103</u> <u>Inv. 4, Inv. 2, Inv. 10</u> www.dadsworksheets.com Learning through sports	

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<p>2. Solve addition and subtraction problems, including word problems, involving two- and three-digit numbers with and without regrouping.</p> <p>ARMT Blueprint:</p> <ul style="list-style-type: none"> • Multiple Choice- 6 items • Open-ended 1 item <p>Additional Minimum Required Content:</p> <ul style="list-style-type: none"> • Estimating sums and differences by using compatible numbers, front-end estimation, and rounding Ex: compatible numbers- $24 + 26 = 25 + 25$ front-end estimation- $72 - 36 = 70 - 30$ rounding- $172 + 369 = 200 + 400$ • Demonstrating computational fluency in addition and subtraction 	August	How many more difference	Oct. (W/O) Dec. (With)	Saxon <u>Lessons-</u> <u>6,7,9,13,14,</u> <u>16, 19 10, 18, 20,</u> <u>23, 24, 25, 26,</u> <u>36, 40, 92, 94,</u> <u>60, 84, 91, 97,</u> <u>101, 8, 9,</u> <u>40, 83, 86, 89,</u> <u>15, 30, 93,95, 99,</u> <u>96</u> ARMT Coach <u>Lessons</u> <u>8, 9, 10, 11,12</u>	

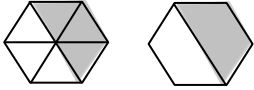
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<p>3. Multiply whole numbers with and without regrouping using single-digit multipliers.</p> <p>ARMT Blueprint:</p> <ul style="list-style-type: none"> • Multiple Choice- 4 items <p>Additional Minimum Required Content:</p> <ul style="list-style-type: none"> • Applying concepts of multiplication through the use of manipulatives, number stories, arrays, repeated addition, or problem situations. • Applying basic multiplication facts through 9 x 9 by using manipulatives, solving problems, and writing number stories. • Recognizing properties of multiplication. 	<p>Aug. Introduce</p>	<p>factor quotient NH</p>	<p>December (Multiply w/o regrouping)</p> <p>February (with regrouping)</p>	<p>Saxon Lessons <u>54-64, 70, 76- 95, 97, 101</u> Power Points ARMT Coach <u>Lessons- 13, 14, 15</u></p>	

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<p>4. Divide whole numbers using two-digit dividends and one-digit divisors.</p> <p>ARMT Blueprint:</p> <ul style="list-style-type: none"> Multiple Choice- 4 items <p>Additional Minimum Required Content:</p> <ul style="list-style-type: none"> Recognizing division as repeated subtraction 	January	dividend divisor quotient	February	Saxon <u>Lessons-82,</u> <u>85, 86, 101,</u> <u>83, 89, 9</u> Power Points ARMT Coach <u>Lessons-16,</u> <u>17</u>	
<p>5. Model equivalent fractions with concrete objects or pictorial representations.</p> <p>Ex. Pattern Blocks</p> <div style="text-align: center;">  </div> <p style="text-align: center;">$\frac{3}{6} = \frac{1}{2}$</p> <p>ARMT Blueprint:</p> <ul style="list-style-type: none"> Multiple Choice- 4 items 	September	equivalent figure	December February	Item Specs. Power Points Saxon <u>Lessons- 5,</u> <u>29, 41-49</u> ARMT Coach- <u>Lessons 3, 4</u>	

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<p>6. Use coins to make change up to \$1.00.</p> <p>ARMT Blueprint:</p> <ul style="list-style-type: none"> Multiple Choice-2 items Open-ended- 1 item <p>Additional Minimum Required Content:</p> <ul style="list-style-type: none"> Determining monetary values of sets of unlike coins and bills up to \$5.00. 	September	including tax	December	Saxon <u>Lessons- 20,</u> <u>21, 22, 25, 81</u> <u>Inv. 2</u> ARMT Coach- <u>Lessons 5, 6</u>	
Algebra					
<p>7. Complete a given numeric or geometric pattern</p> <p>Ex. Geometric pattern ---</p> <p style="padding-left: 40px;">△ □ △ △ □ △ △ ___ □</p> <p>Numeric pattern—20, 27, 34, 41, _____</p> <p>ARMT Blueprint:</p> <ul style="list-style-type: none"> Multiple Choice- 3 items Open-ended- 1 item 	August	repeating pattern	October (numeric) December (geometric)	Coach <u>18, 19,20</u> Saxon- <u>Lessons</u> <u>2, 3, 4, 33, 34,</u> <u>38, 53, 54, 55,</u> <u>59, 61, 64, 76,</u> <u>78, 91, 25, 34,</u> <u>63, 76, 98, 9,</u> <u>36, 46, 90</u>	

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Geometry					
<p>8. Identify geometric representations for points, lines, perpendicular lines, parallel lines, angles, and rays.</p> <p>ARMT Blueprint:</p> <ul style="list-style-type: none"> • Multiple Choice- 4 items <p>Additional Minimum Required Content:</p> <ul style="list-style-type: none"> • Recognizing real-life examples of points, lines, perpendicular lines, and parallel lines 	November	line segments Not Most Likely	February	Saxon <u>Lessons- 61,</u> <u>71, 105, 65,</u> <u>69</u> <u>Inv.-4</u> ARMT Coach- <u>Lessons 21,</u> <u>22</u>	
<p>9. Specify locations on a coordinate grid by using horizontal and vertical movements.</p> <p>ARMT Blueprint:</p> <ul style="list-style-type: none"> • Multiple Choice- 3 items • Open-ended- 1 item 	October		December	Saxon <u>Lessons-</u> <u>4, 15, 17, 27,</u> <u>33, 48, 109,</u> <u>110</u> <u>Inv.- 11</u> ARMT Coach- <u>Lesson 23</u>	

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Measurement					
10. Measure length in metric units. ARMT Blueprint: <ul style="list-style-type: none"> • Multiple Choice- 3 items 	January	nearer height	February	Saxon Lessons- <u>78, 80, 87, 98,</u> <u>106, 108, 4, 3,</u> <u>5, 38, 34, 74,</u> <u>35, 37, 52, 66,</u> <u>73</u> <u>Inv.-4</u> ARMT Coach- <u>24</u>	
11. Determine elapsed time to the day with calendars and to the hour with a clock. ARMT Blueprint: <ul style="list-style-type: none"> • Multiple Choice- 3 items 	August	24 hr. days	October	Saxon <u>lessons-3, 5,</u> <u>38</u> ARMT Coach <u>Lessons 25, 26</u>	

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Data Analysis and Probability					
<p>12. Recognize data as either categorical or numerical. Ex. Categorical—gender, race, languages spoken, genre; Numerical—age, height, weight.</p> <p>ARMT Blueprint:</p> <ul style="list-style-type: none"> Multiple Choice- 3 item <p>Additional Minimum Required Content:</p> <ul style="list-style-type: none"> Comparing related data sets 	October	numeral Venn diagram pictograph tally	December	Saxon <u>Lesson-105</u> <u>Inv.-1, 3, 6</u> ARMT Coach- <u>Lessons</u> <u>27, 28, 29</u>	
<p>13. Determine the likelihood of different outcomes in a simple experiment. Ex. Determining that the spinner is least likely to land on red in this diagram</p> <p>ARMT Blueprint:</p> <ul style="list-style-type: none"> Multiple Choice, 3 items 	December	likely least likely certain possible impossible	February	Saxon <u>Lessons-45, 50</u> <u>Inv.-5</u> ARMT Coach <u>Lesson 30</u>	

