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**LESSON OBJECTIVES**
**Lesson 1 Rectangles**

- GA.1.a Identify a rectangle and a square
- GA.1.b Use a unit square to measure area

**Lesson 2 Multiplying by 1 and 0**

- GA.2.a Multiply a number zero through ten by one
- GA.2.b Explain why zero times any number is zero
- GA.2.c Apply knowledge of the Commutative Property of Multiplication to identify the factors and product of a multiplication model

**Lesson 3 Skip Counting by 2, 5, and 10**

- GA.3.a Skip count by two
- GA.3.b Skip count by five
- GA.3.c Skip count by ten

**Lesson 4 Multiplying by 2**

- GA.4.a Multiply a number zero through ten by two
- GA.4.b Use multiplication by two to convert quarts to pints

**Lesson 5 Multiplying by 10**

- GA.5.a Multiply a number zero through ten by ten
- GA.5.b Use multiplication by ten to convert dimes to cents

**Lesson 6 Multiplying by 5**

- GA.5.a Multiply a number zero through ten by five
- GA.6.b Use multiplication by five to convert nickels to cents

	Date	Test Score	Proficiency	Counting?							
<i>Pretest (Unit Test II)</i>											
	<b>LESSON PRACTICE</b>			<b>TEACH BACK</b>	<b>SYSTEMATIC REVIEW</b>			<b>A&amp;E</b>	<b>Lesson Test</b>	<b>Test Date</b>	
	<b>A</b>	<b>B</b>	<b>C</b>		<b>D</b>	<b>E</b>	<b>F</b>				
<b>7</b> Area of a Rectangle											
<b>8</b> Solve for an Unknown Factor											
<b>9</b> Skip Counting by 9											
<b>10</b> Multiplying by 9											
<b>11</b> Skip Counting by 3											
<b>12</b> Multiplying by 3											
<b>13</b> Skip Counting by 6											
<b>14</b> Multiplying by 6											
	<b>Date</b>			<b>Test Score</b>			<b>Proficiency</b>			<b>Counting?</b>	
<i>Posttest (Unit Test II)</i>											

**LESSON OBJECTIVES**
**Lesson 7 Area of a Rectangle**

- GA.7.a Use multiplication to find the area of a rectangle with known dimensions
- GA.7.b Use multiplication to solve word problems involving area

**Lesson 8 Solve for an Unknown Factor**

- GA.8.a Find an unknown factor

**Lesson 9 Skip Counting by 9**

- GA.9.a Skip count by nine
- GA.9.b Use skip counting to make equivalent fractions

**Lesson 10 Multiplying by 9**

- GA.10.a Multiply a number zero through ten by nine

**Lesson 11 Skip Counting by 3**

- GA.11.a Skip count by three

**Lesson 12 Multiplying by 3**

- GA.12.a Multiply a number zero through ten by three
- GA.12.b Use multiplication by three to convert yards to feet and tablespoons to teaspoons

**Lesson 13 Skip Counting by 6**

- GA.13.a Skip count by six
- GA.13.b Count shaded parts of a rectangle to name a fraction

**Lesson 14 Multiplying by 6**

- GA.14.a Multiply a number zero through ten by six

	Date			Test Score			Proficiency			Counting?	
<i>Pretest (Unit Test III)</i>											
	LESSON PRACTICE			TEACH BACK	SYSTEMATIC REVIEW			A&E	Lesson Test	Test Date	
	A	B	C		D	E	F				
<b>15</b> Skip Counting by 4											
<b>16</b> Multiplying by 4											
<b>17</b> Skip Counting by 7											
<b>18</b> Multiplying by 7											
<b>19</b> Skip Counting by 8											
<b>20</b> Multiplying by 8											

	Date			Test Score			Proficiency			Counting?	
<i>Posttest (Unit Test III)</i>											

**LESSON OBJECTIVES**
**Lesson 15 Skip Counting by 4**

- GA.15.a Skip count by four
- GA.15.b Use multiplication by four to convert gallons to quarts

**Lesson 16 Multiplying by 4**

- GA.16.a Multiply a number zero through ten by four
- GA.16.b Use multiplication by four to convert dollars to quarters

**Lesson 17 Skip Counting by 7**

- GA.17.a Skip count by seven
- GA.17.b Multiply multiples of ten by single-digit numbers

**Lesson 18 Multiplying by 7**

- GA.18.a Multiply a number zero through ten by seven
- GA.18.b Multiply one hundred by a single-digit number

**Lesson 19 Skip Counting by 8**

- GA.19.a Skip count by eight
- GA.19.b Use multiplication by eight to convert gallons to pints

**Lesson 20 Multiplying by 8**

- GA.20.a Multiply a number zero through ten by eight

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**LESSON OBJECTIVES**
**Lesson 21 Multiple-Digit Multiplication**

GA.21.a Use place-value strategies and the Distributive Property of Multiplication over Addition to multiply numbers with one multiple-digit factor and one single-digit factor

**Lesson 22 Rounding, Estimating**

GA.22.a Round to the closest ten, hundred, and thousand  
 GA.22.b Use rounding to estimate the answer to a multiplication problem

**Lesson 23 2-Digit × 2-Digit**

GA.23.a Multiply a two-digit number by a two-digit number (no regrouping)

**Lesson 24 2-Digit Regrouping**

GA.24.a Multiply a two-digit number by a two-digit number, using regrouping as needed

**Lesson 25 Multiple-Digit Regrouping**

GA.25.a Multiply a three-digit number by a two-digit number, using regrouping as needed

**Lesson 26 Factors**

GA.26.a Find all possible factor pairs for a given number  
 GA.26.b Multiply to find the number of cents in a given number of quarters

**Lesson 27 Millions**

GA.27.a Represent and interpret numbers up to the one hundred millions with words, place-value notation, and standard notation  
 GA.27.b Use multiplication by sixteen to convert pounds to ounces

**Lesson 28 Multiple-Digit Multiplication**

GA.28.a Multiply a three-digit number by a three-digit number  
 GA.28.b Multiply a four-digit number by a three-digit number

**Lesson 29 Prime Numbers**

GA.29.a Find all possible pairs of factors for a number  
 GA.29.b Determine whether a number is prime or composite  
 GA.29.c Multiply twelve by a single-digit number



**Lesson 30 Miles and Tons**

GA.30.a Use multiplication (by a whole number conversion factor) to convert miles to feet and tons to pounds

**Appendix A1****A** More on Fractions**LESSON OBJECTIVES****Appendix A More on Fractions**

- GA.A1.a Use models to represent fractions of whole numbers
- GA.A1.b Describe a simple proper fraction using the terms numerator and denominator
- GA.A1.c Describe the relationship of two fractions using  $>$  or  $<$

**Appendix B1****B** Metric Measures**LESSON OBJECTIVES****Appendix B Metric Measures**

- GA.B1.a Identify the appropriate metric units of measurement for length, volume, and mass
- GA.B1.b Solve application problems involving metric units of length, volume, and mass