

	Date			Test Score			Proficiency			Counting?	
<i>Pretest (Unit Test I)</i>											
	LESSON PRACTICE			TEACH BACK	SYSTEMATIC REVIEW			A&E	Lesson Test	Test Date	
	A	B	C		D	E	F				
<b>1</b> Fraction of a Number											
<b>2</b> Fraction of One											
<b>3</b> Add, Subtract Same Denominator											
<b>4</b> Equivalent Fractions											
<b>5</b> Add, Subtract Unequal Denominators											
<b>6</b> Rule of Four											
<b>7</b> Compare Fractions											
<b>8</b> Add Multiple Fractions											

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

**LESSON OBJECTIVES**

- |   |  |
|---|--|
| <p><b>Lesson 1 Fraction of a Number</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.1.a Use models to represent fractions of whole numbers</li> <li><input type="checkbox"/> EP.1.b Describe a simple proper fraction using the terms numerator and denominator</li> <li><input type="checkbox"/> EP.1.c Identify a proper fraction, improper fraction, and mixed number</li> <li><input type="checkbox"/> EP.1.d Calculate a fraction of a whole number</li> </ul> <p><b>Lesson 2 Fraction of One</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.2.a Model a proper fraction using manipulatives</li> <li><input type="checkbox"/> EP.2.b Identify the fraction represented in a model using words</li> <li><input type="checkbox"/> EP.2.c Name the fraction represented in a model using symbols</li> </ul> <p><b>Lesson 3 Add, Subtract Same Denominator</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.3.a Use models to represent two fractions with common denominators</li> <li><input type="checkbox"/> EP.3.b Represent the sum or difference of two fractions using fraction notation</li> <li><input type="checkbox"/> EP.3.c Express the sum or difference of two fractions using words</li> <li><input type="checkbox"/> EP.3.d Add or subtract two fractions with common denominators</li> <li><input type="checkbox"/> EP.3.e Apply knowledge of adding and subtracting fractions with common denominators to solve word problems</li> </ul> | <p><b>Lesson 4 Equivalent Fractions</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.4.a Use models to represent equivalent fractions</li> <li><input type="checkbox"/> EP.4.b Express fractions in words</li> <li><input type="checkbox"/> EP.4.c Add or subtract fractions with common denominators</li> <li><input type="checkbox"/> EP.4.d Use knowledge of equivalent fractions to solve word problems</li> </ul> <p><b>Lesson 5 Add, Subtract Unequal Denominators</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.5.a Build models of equivalent fractions to find common denominators</li> <li><input type="checkbox"/> EP.5.b Use models to add and subtract fractions with unequal denominators</li> <li><input type="checkbox"/> EP.5.c Apply knowledge of adding and subtracting fractions to solve word problems</li> </ul> <p><b>Lesson 6 Rule of Four</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.6.a Use the “rule of four” to add and subtract pairs of proper fractions with unequal denominators</li> </ul> <p><b>Lesson 7 Compare Fractions</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.7.a Build models of fractions with unequal denominators to find a common denominator</li> <li><input type="checkbox"/> EP.7.b Describe the relationship of two fractions using <math>&gt;</math>, <math>&lt;</math>, or <math>=</math></li> </ul> <p><b>Lesson 8 Add Multiple Fractions</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.8.a Use the “rule of four” to add multiple proper fractions with unequal denominators</li> <li><input type="checkbox"/> EP.8.b Add multiple fractions with unequal denominators</li> <li><input type="checkbox"/> EP.8.c Apply knowledge of equivalent fractions to solve word problems</li> </ul> |
|---|--|

	Date			Test Score			Proficiency			Counting?	
<i>Pretest (Unit Test II)</i>											
	LESSON PRACTICE			TEACH BACK	SYSTEMATIC REVIEW			A&E	Lesson Test	Test Date	
	A	B	C		D	E	F				
<b>9</b> Multiply Fractions											
<b>10</b> Divide Fractions											
<b>11</b> Common Factors											
<b>12</b> Reduce Fractions 1											
<b>13</b> Reduce Fractions 2											
<b>14</b> Fractional Lengths											
<b>15</b> Mixed Numbers 1											
<b>16</b> Mixed Numbers 2											

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

**LESSON OBJECTIVES**

- |  |  |
|--|--|
| <p><b>Lesson 9 Multiply Fractions</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.9.a Explain that calculating a fraction of a fraction is equivalent to multiplication of a fraction by a fraction</li> <li><input type="checkbox"/> EP.9.b Use models to show multiplication of fractions</li> <li><input type="checkbox"/> EP.9.c Multiply a fraction by a whole number</li> </ul> <p><b>Lesson 10 Divide Fractions</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.10.a Use the "rule of four" to divide pairs of proper fractions with unequal denominators</li> <li><input type="checkbox"/> EP.10.b Divide a fraction by a fraction</li> <li><input type="checkbox"/> EP.10.c Apply knowledge of dividing fractions to solve word problems</li> </ul> <p><b>Lesson 11 Common Factors</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.11.a Apply rules of divisibility to find common factors for a pair or group of numbers</li> <li><input type="checkbox"/> EP.11.b Determine the Greatest Common Factor (GCF) for a number or pair of numbers</li> </ul> <p><b>Lesson 12 Reduce Fractions 1</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.12.a Use models to illustrate simplifying fractions by a common factor</li> <li><input type="checkbox"/> EP.12.b Determine the GCF to simplify fractions to lowest terms</li> <li><input type="checkbox"/> EP.12.c Simplify fractions to lowest terms</li> </ul> | <p><b>Lesson 13 Reduce Fractions 2</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.13.a Use models to build rectangles to represent prime numbers from one to twenty-four</li> <li><input type="checkbox"/> EP.13.b Find the prime factors for given values by using a factor tree</li> <li><input type="checkbox"/> EP.13.c Use prime factorization to simplify fractions</li> <li><input type="checkbox"/> EP.13.d Explain why prime factorization is an effective method when the GCF is not obvious</li> </ul> <p><b>Lesson 14 Fractional Lengths</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.14.a Use models to illustrate common fractional increments on a customary ruler</li> <li><input type="checkbox"/> EP.14.b Demonstrate using a ruler as a practical application for simplifying fractions</li> <li><input type="checkbox"/> EP.14.c Draw a line of a given fractional length</li> <li><input type="checkbox"/> EP.14.d Simplify fractional measurements to lowest terms when measuring with a ruler</li> </ul> <p><b>Lesson 15 Mixed Numbers 1</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.15.a Define the terms mixed number, proper fraction, and improper fraction</li> <li><input type="checkbox"/> EP.15.b Write fractions as mixed numbers, proper fractions, and improper fractions</li> <li><input type="checkbox"/> EP.15.c Use models to illustrate how to convert a mixed number to an improper fraction and vice versa</li> <li><input type="checkbox"/> EP.15.d Convert mixed numbers to improper fractions and vice versa</li> </ul> <p><b>Lesson 16 Mixed Numbers 2</b></p> <ul style="list-style-type: none"> <li><input type="checkbox"/> EP.16.a Apply knowledge of fractions, mixed numbers, and simplifying fractions to read measurements on a customary ruler</li> </ul> |
|--|--|

	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>17</b> Add, Subtract Mixed Numbers											
<b>18</b> Add Mixed Numbers (Regrouping)											
<b>19</b> Subtract Mixed Numbers (Regrouping)											
<b>20</b> Same Difference Theorem											
<b>21</b> Add Mixed Numbers Unequal Denominators											
<b>22</b> Subtract Mixed Numbers Unequal Denominators											
<b>23</b> Divide with Reciprocal											

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

**LESSON OBJECTIVES**

- |   |  |
|---|--|
| <p><b>Lesson 17 Add, Subtract Mixed Numbers</b></p> <p><input type="checkbox"/> EP.17.a Use estimation when adding mixed numbers with common denominators, without regrouping, to determine if the answer is reasonable</p> <p><input type="checkbox"/> EP.17.b Add and subtract mixed numbers with common denominators</p> <p><b>Lesson 18 Add Mixed Numbers (Regrouping)</b></p> <p><input type="checkbox"/> EP.18.a Build models of mixed numbers with common denominators to illustrate how to add the fractional pieces by converting them to whole-number parts</p> <p><input type="checkbox"/> EP.18.b Add mixed numbers with common denominators, using regrouping</p> <p><input type="checkbox"/> EP.18.c Simplify answers to lowest terms when possible</p> <p><b>Lesson 19 Subtract Mixed Numbers (Regrouping)</b></p> <p><input type="checkbox"/> EP.19.a Use models to demonstrate how to regroup when subtracting mixed numbers</p> <p><input type="checkbox"/> EP.19.b Subtract mixed numbers with common denominators, using regrouping as necessary</p> <p><b>Lesson 20 Same Difference Theorem</b></p> <p><input type="checkbox"/> EP.20.a Apply the “same difference theorem” to subtract mixed numbers with common denominators</p> | <p><b>Lesson 21 Add Mixed Numbers Unequal Denominators</b></p> <p><input type="checkbox"/> EP.21.a Add mixed numbers with unequal denominators by using the “rule of four” to find a common denominator</p> <p><input type="checkbox"/> EP.21.b Add fractions with unequal denominators with regrouping</p> <p><b>Lesson 22 Subtract Mixed Numbers Unequal Denominators</b></p> <p><input type="checkbox"/> EP.22.a Subtract mixed numbers with unequal denominators by finding a common denominator with the “rule of four”</p> <p><input type="checkbox"/> EP.22.b Subtract fractions with unequal denominators using the “same difference theorem”</p> <p><input type="checkbox"/> EP.22.c Subtract fractions with unequal denominators with regrouping</p> <p><b>Lesson 23 Divide with Reciprocal</b></p> <p><input type="checkbox"/> EP.23.a Define reciprocal</p> <p><input type="checkbox"/> EP.23.b Explain why multiplying by the reciprocal of a number is the same as dividing by that number</p> <p><input type="checkbox"/> EP.23.c Convert mixed numbers to improper fractions before dividing</p> <p><input type="checkbox"/> EP.23.d Divide fractions by multiplying by the reciprocal</p> |
|---|--|

	Date			Test Score			Proficiency			Counting?	
<i>Pretest (Unit Test IV)</i>											
	LESSON PRACTICE			TEACH BACK	SYSTEMATIC REVIEW			A&E	Lesson Test	Test Date	
	A	B	C		D	E	F				
<b>24</b> Solve for Unknown 1											
<b>25</b> Multiply 3 Fractions											
<b>26</b> Solve for Unknown 2											
<b>27</b> Area, Circumference of a Circle											
<b>28</b> Solve for Unknown 3											
<b>29</b> Fraction to Decimal to Percentage											
<b>30</b> Solve for Unknown 4											

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

**LESSON OBJECTIVES**
**Lesson 24 Solve for Unknown 1**

- EP.24.a Define multiplicative inverse
- EP.24.b Solve for an unknown in an equation by using the multiplicative inverse
- EP.24.c Check work for accuracy by substituting the unknown with the solution
- EP.24.d Apply knowledge of solving equations to solve word problems

**Lesson 25 Multiply 3 Fractions**

- EP.25.a Multiply mixed numbers
- EP.25.b Multiply fractions, simplifying first by finding common factors
- EP.25.c Multiply fractions and simplify the final product by finding common factors

**Lesson 26 Solve for Unknown 2**

- EP.26.a Solve equations by using the additive inverse to isolate the unknown
- EP.26.b Multiply by the multiplicative inverse to eliminate a coefficient

**Lesson 27 Area, Circumference of a Circle**

- EP.27.a Define circumference of a circle
- EP.27.b Define area of a circle
- EP.27.c Substitute the approximation of  $\pi$  ( $\frac{22}{7}$ ) into formulas to calculate the area of a circle
- EP.27.d Substitute the approximation of  $\pi$  ( $\frac{22}{7}$ ) into formulas to calculate the circumference a circle

**Lesson 28 Solve for Unknown 3**

- EP.28.a Use the multiplicative inverse to isolate the unknown when the coefficient is a fraction
- EP.28.b Solve simple equations with fractional coefficients

**Lesson 29 Fraction to Decimal to Percentage**

- EP.29.a Define the terms place value, decimal, expanded notation, and percent
- EP.29.b Use models to illustrate converting a denominator to a power of ten
- EP.29.c Convert fractions to percentages
- EP.29.d Convert decimals to percentages

**Lesson 30 Solve for Unknown 4**

- EP.30.a Solve equations with rational numbers
- EP.30.b Use the multiplicative inverse to find the unknown

	Appendix A1	Appendix A2
<b>A</b> Area of a Trapezoid		

**LESSON OBJECTIVES****Appendix A Area of a Trapezoid**

- EP.A.a Find the area of a trapezoid