

**2014c Course 2**  
**Khan Academy Video Correlations**  
**By SpringBoard Activity**

SB Activity	Video(s)	
<b>Unit 1: Number Systems</b>		
<b>Activity 1</b> <i>Operations on Positive Rational Numbers</i> 1-1 Learning Targets: <ul style="list-style-type: none"> <li>Solve problems with decimals, using addition and subtraction.</li> <li>Justify solutions with decimals, using addition and subtraction.</li> <li>Estimate decimal sums and differences.</li> </ul> 1-2 Learning Targets: <ul style="list-style-type: none"> <li>Estimate decimal products and quotients.</li> <li>Solve problems involving multiplication and division of decimals.</li> </ul> 1-3 Learning Targets: <ul style="list-style-type: none"> <li>Solve problems with fractions using addition, subtraction, multiplication, and division.</li> <li>Estimate with fractions.</li> </ul> 1-4 Learning Targets: <ul style="list-style-type: none"> <li>Convert a fraction to a decimal.</li> <li>Understand the difference between terminating and repeating decimals.</li> </ul>	<i><b>Multiplying and Dividing Decimals</b></i>	
	<a href="#">Multiplying decimals example</a> <a href="#">Multiplying challenging decimals</a> <a href="#">Dividing by a multi-digit decimal</a> <a href="#">Dividing a whole number by a decimal</a> <a href="#">Dividing a decimal by a whole number</a>	
	<i><b>Fractions</b></i>	
	<a href="#">Adding, subtracting fractions</a> <a href="#">Multiplying negative and positive fractions</a> <a href="#">Dividing negative fractions</a>	
	<i><b>Numbers in Different Forms</b></i>	
	<a href="#">Adding, subtracting numbers in different formats</a> <a href="#">Adding, subtracting fractions, decimals, percentages</a> <a href="#">Fraction to decimal</a> <a href="#">Converting fractions to decimals</a>	
	<b>Activity 2</b>	
	<i>Addition and Subtraction of Integers</i> 2-1 Learning Targets: <ul style="list-style-type: none"> <li>Add two or more integers.</li> <li>Identify and combine opposites.</li> <li>Solve real-world problems by adding integers.</li> </ul> 2-2 Learning Targets: <ul style="list-style-type: none"> <li>Subtract integers.</li> <li>Find distances using absolute value</li> </ul>	<i><b>Adding and Subtracting Integers</b></i>
	<a href="#">Learn how to add and subtract negative numbers</a> <a href="#">Adding negative numbers</a> <a href="#">Adding numbers with different signs</a> <a href="#">Subtracting a negative = adding a positive</a> <a href="#">Inverse property of addition</a>	
	<i><b>Absolute Value</b></i>	
<a href="#">Absolute value and number lines</a> <a href="#">Absolute value of integers</a> <a href="#">Absolute value word problems</a> <a href="#">Constructing and interpreting absolute value</a>		
<b>Activity 3</b>		
<i>Multiplication and Division of Integers</i> 3-1 Learning Targets:	<i><b>Understanding Multiplication with Negative Numbers</b></i>	
	<a href="#">Why a negative times a negative is a positive</a> <a href="#">Why a negative times a negative makes intuitive sense</a>	

<ul style="list-style-type: none"> <li>• Multiply two or more integers.</li> <li>• Apply properties of operations to multiply integers.</li> <li>• Solve real-world problems by multiplying, adding, and subtracting integers.</li> </ul> <p>3-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Divide integers.</li> <li>• Solve real-world problems by dividing integers and possibly adding, subtracting, or multiplying integers as well.</li> </ul>	<p style="text-align: center;"><b><i>Multiplying Integers</i></b></p> <p><a href="#">Multiplying positive and negative numbers</a></p> <p><a href="#">Multiplying numbers with different signs</a></p> <hr/> <p style="text-align: center;"><b><i>Dividing Integers</i></b></p> <p><a href="#">Dividing positive and negative numbers</a></p>
<p><b>Activity 4</b> <i>Operations on Rational Numbers</i></p> <p>4-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Given a rational number, determine whether the number is a whole number, an integer, or a rational number that is not an integer.</li> <li>• Describe relationships between sets of rational numbers.</li> </ul> <p>4-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Add two or more rational numbers.</li> <li>• Use properties of addition to add rational numbers.</li> <li>• Solve real-world problems by adding two or more rational numbers.</li> </ul> <p>4-3 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Subtract rational numbers.</li> <li>• Apply the fact that for all rational numbers <math>a</math> and <math>b</math>, <math>a - b = a + (-b)</math>, to add and subtract rational numbers.</li> <li>• Solve real-world problems by subtracting rational numbers and possibly by adding rational numbers as well.</li> </ul> <p>4-4 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Multiply and divide rational numbers.</li> <li>• Apply properties of operations to multiply and divide rational numbers.</li> <li>• Solve real-world problems involving the four operations with rational numbers.</li> </ul>	<p style="text-align: center;"><b><i>Sets of Numbers</i></b></p> <p><a href="#">Number sets</a></p> <hr/> <p style="text-align: center;"><b><i>Adding and Subtracting Rational Numbers</i></b></p> <p><a href="#">Adding, subtracting fractions</a></p> <hr/> <p style="text-align: center;"><b><i>Multiplying and Dividing Rational Numbers</i></b></p> <p><a href="#">Multiplying negative and positive fractions</a></p> <p><a href="#">Dividing negative fractions</a></p>
<b>Unit 2: Expressions and Equations</b>	
<p><b>Activity 5</b> <i>Properties of Operations</i></p> <p>5-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Identify properties of operations.</li> <li>• Apply properties of operations to simplify</li> </ul>	<p style="text-align: center;"><b><i>Arithmetic Properties</i></b></p> <p><a href="#">Commutative property for addition</a></p> <p><a href="#">Commutative law of addition</a></p> <p><a href="#">Commutative law of multiplication</a></p>

<p>linear expressions.</p> <p>5-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Apply properties to factor and expand linear expressions.</li> <li>• Rewrite expressions to see how the problem and quantities are related.</li> </ul>	<p><a href="#">Associative law of addition</a></p> <p><a href="#">Associative law of multiplication</a></p> <p><a href="#">Properties of numbers 1</a></p> <p><a href="#">Number properties terminology 1</a></p> <p><a href="#">Identity property of 1</a></p> <p><a href="#">Identity property of 1 (second example)</a></p> <p><a href="#">Identity property of 0</a></p> <p><a href="#">Inverse property of addition</a></p> <p><a href="#">Inverse property of multiplication</a></p> <p><a href="#">Properties of numbers 2</a></p>
<p><b>Activity 6</b> <i>Writing and Solving Equations</i></p> <p>6-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Use variables to represent quantities in real-world problems.</li> <li>• Model and write two-step equations to represent real-world problems.</li> </ul> <p>6-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Solve two-step equations.</li> <li>• Solve real-world problems by writing an equation of the form <math>px + q = r</math>.</li> </ul>	<p style="text-align: center;"><b><i>Understanding Terminology</i></b></p> <p><a href="#">What is a variable?</a></p> <p><a href="#">Expression terms, factors and coefficients</a></p> <p style="text-align: center;"><b><i>Solving Two-Step Equations</i></b></p> <p><a href="#">Why we do the same thing to both sides: Simple equations</a></p> <p><a href="#">Solving two-step equations</a></p> <p><a href="#">Solving a more complicated equation</a></p>
<p><b>Activity 7</b> <i>Solving and Graphing Inequalities</i></p> <p>7-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Represent quantities in a real-world problem.</li> <li>• Construct two-step inequalities to solve problems.</li> </ul> <p>7-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Solve two-step inequalities.</li> <li>• Construct two-step inequalities to solve problems.</li> </ul>	<p style="text-align: center;"><b><i>Solving Two-Step Inequalities</i></b></p> <p><a href="#">Solving a two-step inequality</a></p> <p><a href="#">Constructing and solving a two-step inequality</a></p> <p><a href="#">Constructing, solving two-step inequality example</a></p>
<b>Unit 3: Ratio and Proportion</b>	
<p><b>Activity 8</b> <i>Ratio and Unit Rates</i></p> <p>8-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Express relationships using ratios.</li> <li>• Find unit rates.</li> </ul> <p>8-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Determine whether quantities are in a proportional relationship.</li> <li>• Solve problems involving proportional</li> </ul>	<p style="text-align: center;"><b><i>Ratios and Unit Rates</i></b></p> <p><a href="#">Solving unit rates problem</a></p> <p style="text-align: center;"><b><i>Identifying and Solving Proportions</i></b></p> <p><a href="#">Writing proportions</a></p> <p><a href="#">Solve a proportion with an unknown variable</a></p> <p><a href="#">Solve a proportion with unknown variable word problem</a></p> <p><a href="#">Analyzing proportional relationships from a table</a></p>

<p>relationships.</p> <p>8-3 Learning Targets:</p> <ul style="list-style-type: none"> <li>Convert between measurement. Use unit rates and proportions for conversions.</li> </ul>	
<p><b>Activity 9</b></p> <p><i>Proportional Reasoning</i></p> <p>9-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>Given representations of proportional relationships, represent constant rates of change with equations of the form <math>y = kx</math>.</li> <li>Determine the meaning of points on a graph of a proportional relationship.</li> <li>Solve problems involving proportional relationships.</li> </ul> <p>9-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>Determine the constant of proportionality from a table, graph, equation, or verbal description of a proportional relationship.</li> </ul>	<p><b>Analyzing Proportional Relationships</b></p> <p><a href="#">Analyzing proportional relationships from a table</a></p> <p><b>Constructing and Solving Proportional Relationships</b></p> <p><a href="#">Constructing an equation for a proportional relationship</a></p> <p><a href="#">Solve a proportion with an unknown variable</a></p>
<p><b>Activity 10</b></p> <p><i>Proportional Relationships and Scale</i></p> <p>10-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>Represent proportional relationships by equations.</li> <li>Determine the constant of proportionality from a table, graph, equation, or verbal description of a proportional relationship.</li> <li>Solve problems using scale drawings.</li> </ul> <p>10-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>Given the scale of a map and a distance on a map, find the actual distance.</li> <li>Convert scale factors with units to scale factors without units.</li> </ul> <p>10-3 Learning Targets:</p> <ul style="list-style-type: none"> <li>Solve problems involving scale drawings of geometric figures, including computing actual lengths and areas from a scale drawing.</li> <li>Reproduce a scale drawing at a different scale.</li> </ul>	<p><b>Constructing and Solving Proportional Relationships</b></p> <p><a href="#">Constructing an equation for a proportional relationship</a></p> <p><a href="#">Construction proportions to solve application problems</a></p> <p><a href="#">Solve a proportion with an unknown variable</a></p> <p><b>Using Scale Drawings</b></p> <p><a href="#">How to make a scale drawing</a></p> <p><a href="#">Interpreting a scale drawing</a></p> <p><a href="#">Solve a scale drawing word problem</a></p>
<p><b>Activity 11</b></p> <p><i>Percent Problems</i></p> <p>11-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>Find a percent of a number.</li> <li>Find the percent that one number is of</li> </ul>	<p><b>Finding Percent</b></p> <p><a href="#">Finding a percentage</a></p> <p><b>Percent Problems</b></p> <p><a href="#">Solving percent problems</a></p> <p><a href="#">Percent word problem example 1</a></p>

<p>another.</p> <ul style="list-style-type: none"> <li>Given the percent and the whole, find the part.</li> </ul> <p>11-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>Solve problems about sales tax, tips, and commissions.</li> </ul>	<p><a href="#">Percent word problem example 2</a></p> <p><a href="#">Percent word problem example 3</a></p> <p><a href="#">Percent word problem example 4</a></p> <p><a href="#">Percent word problem example 5</a></p> <hr/> <p style="text-align: center;"><i>Percent and Decimals</i></p> <p><a href="#">Converting percents to decimals</a></p> <p><a href="#">Converting percents to decimals example 2</a></p> <p><a href="#">Converting percent to decimal and fraction</a></p> <p><a href="#">Converting decimals to percents</a></p> <p><a href="#">Converting decimals to percents example 2</a></p>
<p><b>Activity 12</b> <i>More Percent Problems</i></p> <p>12-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>Solve problems about percent increase, percent decrease, markups, and discounts.</li> </ul> <p>12-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>Solve problems about percent increase, percent decrease, markups, and discounts.</li> </ul> <p>12-3 Learning Targets:</p> <ul style="list-style-type: none"> <li>Solve problems about interest.</li> </ul> <p>12-4 Learning Targets:</p> <ul style="list-style-type: none"> <li>Solve problems about percent error.</li> </ul>	<p style="text-align: center;"><i>Percent Problems</i></p> <p><a href="#">Growing by a percentage</a></p> <p><a href="#">Solving percent problems</a></p>

<b>Unit 4: Geometry</b>	
<p><b>Activity 13</b> <i>Angle Pairs</i></p> <p>13-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>Use facts about complementary, supplementary, and adjacent angles to write equations.</li> <li>Solve simple equations for an unknown angle in a figure.</li> </ul> <p>13-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>Write and solve equations using geometry concepts.</li> <li>Solve problems involving the sum of the measures of the angles in a triangle.</li> <li>Solve equations involving angle relationships.</li> </ul>	<p style="text-align: center;"><i>Measures of Angles</i></p> <p><a href="#">Complementary and supplementary angles</a></p> <p><a href="#">Find measure of complementary angles</a></p> <p><a href="#">Find measure of supplementary angles</a></p> <p><a href="#">Introduction to vertical angles</a></p> <p><a href="#">Find measure of vertical angles</a></p> <p><a href="#">Find measure of angles in a word problem</a></p> <p><a href="#">Solving for an angle</a></p>
<p><b>Activity 14</b> <i>Triangle Measurements</i></p> <p>14-1 Learning Targets:</p>	<p style="text-align: center;"><i>Constructing Triangles</i></p> <p><a href="#">Construct a triangle with constraints</a></p>

<ul style="list-style-type: none"> <li>Decide if three side lengths determine a triangle.</li> <li>Draw a triangle given measures of sides.</li> </ul> <p>14-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>Draw a triangle given measures of angles and/or sides.</li> <li>Recognize when given conditions determine a unique triangle, more than one triangle, or no triangle.</li> </ul>	
<p><b>Activity 15</b> <i>Similar Figures</i></p> <p>15-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>Identify whether or not polygons are similar.</li> <li>Find a common ratio for corresponding side lengths of similar polygons.</li> </ul> <p>15-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>Apply properties of similar figures to determine missing lengths.</li> <li>Solve problems using similar figures.</li> </ul>	<p style="text-align: center;"><b>Similar Triangles</b></p> <p><a href="#">Similar triangle basics</a></p> <p><a href="#">Similar triangles</a></p> <p><a href="#">Similar triangles (part 2)</a></p>
<p><b>Activity 16</b> <i>Circles: Circumference and Area</i></p> <p>16-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>Investigate the ratio of the circumference of a circle to its diameter.</li> <li>Apply the formula to find the circumference of a circle.</li> </ul> <p>16-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>Approximate the area of a circle.</li> <li>Apply the formula to find the area of a circle.</li> </ul>	<p style="text-align: center;"><b>Circle Basics</b></p> <p><a href="#">Circles: radius, diameter, circumference and Pi</a></p> <p><a href="#">Labeling parts of a circle</a></p> <hr/> <p style="text-align: center;"><b>Circumference of a Circle</b></p> <p><a href="#">Circumference of a circle</a></p> <hr/> <p style="text-align: center;"><b>Area of a Circle</b></p> <p><a href="#">Area of a circle</a></p>
<p><b>Activity 17</b> <i>Composite Area</i></p> <p>17-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>Determine the area of geometric figures.</li> <li>Determine the area of composite figures.</li> </ul> <p>17-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>Determine the area of composite figures.</li> <li>Solve problems involving area.</li> </ul>	<p style="text-align: center;"><b>Area of Polygons</b></p> <p><a href="#">Perimeter and area: the basics</a></p> <p><a href="#">Area of a parallelogram</a></p> <p><a href="#">Area of a trapezoid</a></p> <p><a href="#">Area of a kite</a></p> <p><a href="#">Finding area by breaking up the shape</a></p> <p><a href="#">Finding area by rearranging parts</a></p> <p><a href="#">Area of strange quadrilateral</a></p>
<p><b>Activity 18</b> <i>Sketching Solids</i></p> <p>18-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>Draw different views of three-dimensional</li> </ul>	<p style="text-align: center;"><b>Nets of Three-dimensional Figures</b></p> <p><a href="#">Nets of polyhedra</a></p> <p><a href="#">Finding surface area: nets of polyhedra</a></p>

<p>solids.</p> <ul style="list-style-type: none"> <li>Identify cross sections and other views of pyramids and prisms.</li> </ul> <p>18-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>Calculate the lateral and total surface area of prisms.</li> </ul> <p>18-3 Learning Targets:</p> <ul style="list-style-type: none"> <li>Calculate the lateral and total surface area of pyramids.</li> </ul>	
<p><b>Activity 19</b> <i>Volume</i></p> <p>19-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>Calculate the volume of prisms.</li> </ul> <p>19-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>Calculate the volume of pyramids.</li> <li>Calculate the volume of complex solids.</li> <li>Understand the relationship between the volume of a prism and the volume of a pyramid.</li> </ul>	<p><b><i>Volume of Three-dimensional Figures</i></b></p> <p><a href="#">Volume of a rectangular prism: fractional dimensions</a></p> <p><a href="#">Volume of a rectangular prism: fractional cubes</a></p> <p><a href="#">Volume of a rectangular prism: word problem</a></p> <p><a href="#">Find the volume of a triangular prism and cube</a></p>
<p><b>Unit 5: Probability</b></p>	
<p><b>Activity 20</b> <i>Exploring Probability</i></p> <p>20-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>Reason about the likelihood of winning a game based on a probability experiment.</li> <li>Provide support for winning strategies of a game based on a probability experiment.</li> </ul> <p>20-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>Collect data about chance processes in frequency tables or lists.</li> <li>Determine probabilities for outcomes in a probability experiment.</li> <li>Describe the results of an investigation and support the conclusions.</li> </ul> <p>20-3 Learning Targets:</p> <ul style="list-style-type: none"> <li>Interpret a probability as the fraction of the number of times that an outcome occurs when a probability experiment is repeated many times.</li> <li>Estimate probabilities of outcomes in probability experiments.</li> </ul> <p>20-4 Learning Targets:</p> <ul style="list-style-type: none"> <li>Make decisions based on probabilities.</li> <li>Expect variation in results from chance processes.</li> </ul>	<p><b><i>Basic Probability</i></b></p> <p><a href="#">Probability explained</a></p> <p><a href="#">Determining probability</a></p> <p><a href="#">Finding probability example</a></p> <p><a href="#">Finding probability example 2</a></p> <p><a href="#">Finding probability example 3</a></p>

<ul style="list-style-type: none"> <li>• Write about chance processes and justify conclusions based on probability experiments.</li> </ul>	
<p><b>Activity 21</b> <i>Probability</i></p> <p>21-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Recognize when a probability experiment has outcomes that are equally likely.</li> <li>• Calculate probabilities for a probability experiment with equally likely outcomes.</li> <li>• Know what “selected at random” means.</li> </ul> <p>21-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Calculate theoretical probabilities for a probability experiment.</li> <li>• Estimate probabilities by observing outcomes of a probability experiment.</li> </ul> <p>21-3 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Compare theoretical probabilities and estimated probabilities.</li> </ul>	<p style="text-align: center;"><b><i>Comparing Probabilities</i></b></p>
<p><b>Activity 22</b> <i>Games and Probability</i></p> <p>22-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Use observed outcomes to estimate probabilities.</li> <li>• Use tables to represent the possible outcomes of a probability experiment.</li> </ul> <p>22-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Use tables to represent the possible outcomes of a probability experiment.</li> <li>• Assign probabilities to outcomes in a sample space.</li> <li>• Use probabilities assigned to outcomes in a sample space to compute event probabilities.</li> </ul> <p>22-3 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Use observed outcomes to estimate probabilities.</li> <li>• Use tables and tree diagrams to represent the possible outcomes of a probability experiment.</li> <li>• Calculate the probabilities of events for a probability experiment with equally likely outcomes.</li> </ul> <p>22-4 Learning Targets:</p>	<p style="text-align: center;"><b><i>Constructing Probability Models</i></b></p>



<ul style="list-style-type: none"> <li>• Use observed outcomes to estimate probabilities.</li> <li>• Use tables and tree diagrams to represent the possible outcomes of a probability experiment.</li> </ul>	
<p><b>Activity 23</b> <i>Probability</i></p> <p>23-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Use artificial processes to simulate outcomes.</li> <li>• Assign random digits to outcomes.</li> <li>• Carry out a simulation using random digits.</li> </ul> <p>23-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Design and carry out a simulation.</li> <li>• Use a simulation to estimate a probability.</li> </ul> <p>23-3 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Design and carry out the simulation of a compound event.</li> <li>• Use a simulation to estimate the probability of a compound event.</li> </ul> <p>23-4 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Design and carry out the simulation of a compound event.</li> <li>• Use a simulation to estimate the probability of a compound event.</li> </ul>	
<b>Unit 6: Statistics</b>	
<p><b>Activity 24</b> <i>Statistics</i></p> <p>24-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Determine from what population data have been collected.</li> <li>• Determine if a data collection is a census.</li> <li>• Distinguish between a population and a sample.</li> </ul> <p>24-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Understand that the way a sample is selected is important.</li> <li>• Understand that random sampling is a fair method for selecting a sample.</li> <li>• Use the random-number digit table to select a random sample.</li> </ul>	<p style="text-align: center;"><b>Sampling</b></p> <p><a href="#">Reasonable samples</a></p> <p><a href="#">Inferring population mean from sample mean</a></p>
<p><b>Activity 25</b> <i>Exploring Sampling Variability</i></p> <p>25-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Understand the difference between</li> </ul>	<p style="text-align: center;"><b>Sampling</b></p> <p><a href="#">Reasonable samples</a></p> <p><a href="#">Inferring population mean from sample mean</a></p>

<p>variability in a population and sampling variability.</p> <ul style="list-style-type: none"> <li>• Know that increasing the sample size decreases sampling variability.</li> </ul> <p>25-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Use data from a random sample to estimate a population characteristic.</li> <li>• Understand the implications of sampling variability when estimating a population characteristic.</li> <li>• Use data from a random sample to draw a conclusion about a population.</li> </ul>	
<p><b>Activity 26</b> <i>Comparative Statistics</i></p> <p>26-1 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Compare the means of two numerical samples.</li> <li>• Understand that a <i>meaningful</i> difference between two sample means is one that is greater than would have been expected due to sampling variability alone.</li> <li>• Use data from random samples to compare populations</li> </ul> <p>26-2 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Compare population means for populations with approximately the same amount of variability.</li> <li>• Express the difference in the sample means in terms of mean absolute deviation (MAD).</li> <li>• Draw differences based on sample size and the difference in sample means relative to the MAD</li> </ul> <p>26-3 Learning Targets:</p> <ul style="list-style-type: none"> <li>• Calculate the mean absolute deviation (MAD)</li> <li>• Use two random samples to compare population means.</li> <li>• Draw conclusions about populations with similar amounts of variability based on the difference of two sample means</li> </ul>	<p><b>Comparative Statistics</b></p>
<p><b>.Unit 7: Personal Financial Literacy</b></p>	
<p><b>Activity 27</b> <i>Budgeting and Money Management</i></p> <p><a href="#">Probability explained</a></p>	<p>N/A</p>

[Determining probability](#)

[Finding probability example](#)

[Finding probability example 2](#)

[Finding probability example 3](#)