University of Northern Iowa
Making Sense **Video List**

MATHEMATICS

Mathematics Grades K – 2

Rational Counting

Place Value with Tens and Ones

Difficult Addition Facts

Difficult Subtraction Facts

Adding and Subtracting Mentally

Subtraction Procedure

What is a Triangle?

Mathematics Grades 3 – 5

Difficult Multiplication Facts

Multiplying and Dividing Mentally

Multiplication Procedure

Division Procedure

Understanding Fractions

Equivalent Fractions

Mixed Numbers

Adding Fractions

Subtracting Fractions

Comparing Fractions Mentally

Fractional Parts of a Number

Understanding Decimals

Geometric Nets

Introduction to Probability

Mathematics Grades 6 – 8

Multiplying Fractions

Division with Fractions

Fraction Decimal Equivalents

Comparing Decimals

Percent Problems

Graphing Proportional Relationships

Comparing Ratios

Equal Ratios

Mathematics Grades 6-8 (continued)

Scale Factor

Similarity: Using Proportions

Area of a Parallelogram

Area of a Triangle

Area of a Trapezoid

What is Pi?

Area of a Circle

Changing Dimensions: Area

Fixed Perimeter, Changing Area

Changing Dimensions: Volume

Volume of Prisms and Cylinders

Mean, Median, Mode (Part 1)

Mean, Median, Mode (Part 2)

Mathematics Grades 9 – 12

Linear Equations: Expressions and Diagrams

Linear Equations: Tables and Graphs

Linear Equations: Using Symbols

Solving Inequalities

Exponential Growth

Exponential Decay

Introduction to Logarithms

Solving for Exponents

Making Sense of Log Properties

Credit Card Basics (Part 1)

Credit Card Basics (Part 2)

Inverse Proportionality

Law of Sines

Standard Deviation

Normal Distribution

Regression

Representing Data Carefully

Interpreting Correlation Coefficient