

WEST ABE  
Pre-Apprenticeship  
Machining  
Curriculum

2007

# CNC Math Outline

## Day 1- Fractions

Understanding fractions

Terms

Identifying forms of fractions

Reducing fractions

Improper fractions

Changing mixed numbers to improper fractions

Adding fractions and reducing

Subtracting and reducing

Finding the common denominator

Multiplying & dividing fractions with whole numbers & mixed numbers

Finding a number when a fraction of it is given

## Day 2- Practical Problems workbook-Fractions

## Day 3- Understanding decimals

Changing decimals to fractions

Changing fractions to decimals

Comparing decimals

Multiplying decimals

Dividing decimals

Dividing decimals by whole numbers

Divide whole numbers by decimals

Cumulative review

## Day 4- Practical Problems workbook- decimal fractions

## Day 5- Understanding percents

Changing decimal to percent

Changing percent to decimal

Changing fraction to percent

Changing percent to fraction

Finding a percent of a number

What percent one number is of another

## Day 6- Fraction, decimal, percent review

Practical Problems workbook- percent and graphs

# CNC Math Outline

Day 7- what is a power

Multiply and divide powers

Simplify products and equations

Negative exponents

Scientific notation

What are square roots

Square root fractions

Approximate square roots

Day 8- Practical Problems workbook- Powers, roots and equations

Day 9- Metric symbols

Metric meanings

Metric conversions

Direct measure

Length measure

Day 10- Practical Problems workbook- Computed measure

Day 11- Relating fractions to ratios

Learning about proportions

Using proportions

Practical Problems workbook- Ratios and proportions

Day 12- Intro to angles/ Angular measure

Measuring angles

Types of angles

Working with similar triangles

Solving proportions

Day 13- Geometric Construction- terms

Practical Problems workbook- Geometry

TABE retest

Day 14- PAP Final test