



Process Maths Training

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COURSE CONTENT

Aim

This unit aims to give learners knowledge of basic maths used in the process industry.

Pre-requisites

None required.

Course Duration

The course is 2 days in duration.

Optimum Number

A maximum of 6 delegates per course.

Training Aids

PowerPoint slides & manuals, practice questions and assessment.

Learning Outcomes, on completion of this unit a learner should:

- Gain an understanding of the purposes and uses of Integer Operations and fractions.
- Gain an understanding of the use and applications of decimals, percentages, averages and ratios.
- Gain an understanding of the use of Standard International Units (SI units).
- Gain a basic understanding of algebra, areas, volumes and graphs.
- Gain a basic understanding of distribution and frequency.

Assessment and Certification

In order to pass this unit, the evidence that the learner presents for assessment needs to demonstrate that they can meet all the learning outcomes for the unit.

A Roxby Certificate will be issued upon successful completion.

COURSE SYLLABUS

The uses of Integer Operations and fractions:

- Addition and subtraction of Integer Operations
- Multiplication and division of Integer Operations
- Powers of number
- Multiples, Factors and Prime Numbers
- BODMAS
- Fraction Types
- Addition and subtraction of Fractions
- Multiplication and division of Fractions

The uses and applications of a decimals, percentages, averages and ratios:

- What are decimals
- Addition, subtractions, multiplication and divisions of decimals
- Changing decimals to percentages and fractions
- What is a percentage
- Ratio and Proportion

The uses of Standard International Units (SI Units):

- Fundamental definitions
- Base units and derived units

Basic algebra, areas, volumes and graphs:

- What is algebra?
- Areas of flat shapes
- Volumes
- Pie Charts
- Line graphs
- Straight Line graphs

Basic distribution and frequency:

- Relative frequency

Dates available on request