Fractions and Measurement Logic Model

Title of the Module: Fractions and Measurement

Intended learners/audience: Female trades pre-apprenticeship students

Intended roles(s) learners are preparing for: Entry level construction trades worker or apprentice

Prerequisites: none

Revision date: 11/13/15

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Knowledge, Skills, & Attitudes	Performance Tasks	Objectives	Intended Outcomes
If learners begin the training with the prerequisites and learn this content …	…and *demonstrate* their learning in these ways…	…we can be confident that they will be able to do these things **by the end of the training**…	…which will prepare them to do these things **after the training…**
Declarative Knowledge • A fraction is an amount of something which is represented as one number over another • Fractions are infinitely divisible • A fraction can be written in multiple ways • Location of 1/2, fourths, eighths, and sixteenths on a tape measure **Concepts** • Fractions	• Given two fractions, determine which is the largest • Given images of a tape measure with marks indicating the length of objects, identify the length in feet & inches, and inches alone • Measure the length of objects in the classroom using a tape measure	A. Explain what a fraction is B. Determine which of two fractions is the largest C. Identify parts of a tape measure D. Read a tape measure to 1/16″ E. Measure length using a tape measure	1. Calculate the amount of material needed to successfully complete construction projects

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Knowledge, Skills, & Attitudes	Performance Tasks	Objectives	Intended Outcomes
Attitudes • Grit • Growth mindset • Belief in the ability to reduce math anxiety			

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