

Converting Between Fractions and Decimals Logic Model

Title of the Module: Converting Between Fractions and Decimals

Intended learners/audience: Female trades pre-apprenticeship students

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

Prerequisites:

- The Grit and Growth Mindset module
- The Perimeter and Area of Polygons module
- The Fractions and Measurement module
- The Multiplying Fractions module
- The Dividing Fractions module
- The Adding Fractions module
- The Subtracting Fractions module
- The Converting Between Inches and Feet module

Revision date: 1/4/16



Knowledge, Skills, & Attitudes	Performance Tasks	Objectives	Intended Outcomes
If learners begin the training with the prerequisites and learn this contentand <i>demonstrate</i> 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...
<p>Declarative Knowledge</p> <ul style="list-style-type: none"> Fractions and decimals are two ways of expressing an amount of something <p>Concepts</p> <ul style="list-style-type: none"> Decimals <p>Procedures</p> <ul style="list-style-type: none"> Convert measurements in fractions to measurements in decimals Convert measurements in decimals to measurements in fractions <p>Principles</p> <ul style="list-style-type: none"> Rounding decimal numbers 	<ul style="list-style-type: none"> Given measurements in fractions, and word problems involving measurements in fractions, convert the measurements to measurements in decimals Given measurements in decimals, and word problems involving measurements in decimals, convert the measurements to measurements in feet, inches, and fractions 	<ul style="list-style-type: none"> Explain what a decimal is Convert between measurements in fractions and decimals 	<ol style="list-style-type: none"> Calculate the amount of material needed to successfully complete construction projects



<p>Attitudes</p> <hr/> <ul style="list-style-type: none"> • Grit • Growth mindset • Belief in the ability to reduce math anxiety 			
<p>Knowledge, Skills, & Attitudes</p>	<p>Performance Tasks</p>	<p>Objectives</p>	<p>Intended Outcomes</p>

