## **ALGEBRA 1**

## **DESCRIPTION:**

This module provides a review of the basic concepts in algebra needed for understanding and completing the MBTN problem sets. It covers definitions, order of operations, solving for a single variable using addition, subtraction, multiplication, and division, constant of proportionality, and converting word problems and requests to equations.

**Tutorial:** 26 slides

**Problem Sets:** 4 problem sets; 26 questions

**Average Time:** New Module

## Sample question from problem set:

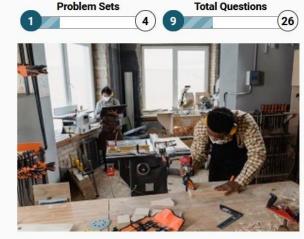
Course: Faculty Access (All Modules in Alphabetical Order)

Module: Algebra 1 / Problem Set ID: 11129

BuyNot home renovators hires independent contractors to do various projects for their clients. On their current project, they have a team of 5 working on several rooms of a downtown house. Here is a breakdown of their hours and labor cost:

Marcel	65	\$1,169.06	
Frankie	?	?	
Wanda	35	\$629.50	
Holly	?	?	
Matt	50	\$899.28	

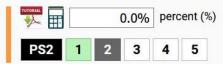
They are all paid the same hourly rate for their work and the total number of hours is **278**. The total labor cost for the project is **\$5,000**. Unfortunately, the company lost Frankie and Holly's timesheets after calculating these project totals, but since Frankie and Holly are a couple and work as a team, the crew chief knows that they worked the same number of hours.



**CALCULATED VARIABLES:** 

rate = \$17.99

What percent of the project does Matt's work represent?



SUBMIT ANSWER

EXI