

# ICAPS Learning Community





## ICAPS Learning Community Purpose

- Fulfill the mission of the **Transitions Academy**
- Share information, ask questions, and learn from one another
- Engage both AE and CTE training partners
- Provide a safe place to share challenges and provide support

\*If you need a PD certificate for this hour, please email us at [sipdctrainer@gmail.com](mailto:sipdctrainer@gmail.com).

Thank you to Amber Fornaciari for leading our discussion on Contextualized Math in ICAPS.

Math on the GED<sup>®</sup> test is similar to level of problem solving students will encounter in their ICAPS.

## Math problems and tasks:

### Contextualized Math problems and tasks:

- Contain realistic quantities
- Include contextual information some of which might not be necessary to use in the procedure to solve the problem
- Generally include multiple steps to a realistic answer
- Require critical thinking

## Choice of Resources and Problems/Tasks

Maria poured 200 cups of orange juice for a community breakfast. How many gallons of orange juice did she pour?

Part of your responsibilities as a distribution manager is to calculate available weights on one of your delivery trucks. The truck can carry loads up to 1,200 pounds. You have already loaded 250 pounds onto the truck. In addition, you will be delivering a shipment of 30 kilogram containers. How many containers can you load onto your truck?

# Possible resources to consider

Mathematics for the Trades by Pearson

Applied Mathematics - Workforce, Workplace skills by McGraw-Hill

[Interactive Mathematics for Adult Basic Education](#) - CK-12 Flexbook

[PHET Interactive Simulations](#)

Desmos

What resources are you using to help students understand the math in context?

Itri Papanikolla

*Math in ICAPS Presentation*

## **Brett O'Brien - Safer Foundation - Chicago**

- Fiscal Year '25 Program Goals
  - ABE - 302, ASE - 100
  - 150 HSE Candidates, 75 Credentials
  - 20 IET/ICAPS Enrolled, 10 Credentials
  - 30 Bridge
  - 60 Entering Employment

- ICAPS Courses in Carpentry, Solar, and Electrical
  - Use NCCER Textbooks for Guidance
  - Students need to be at a 7th grade level by Completion
  - Whole Number Operations, Order of Operations, Fraction Operations, Decimal Operations, Place Value, Percentages, Converting Measurements, Area, Perimeter, and Volume
  - Sit-In on Classes with Instructor
- Bridge Course in Transportation, Distribution, and Logistics (TDL)
  - Students Need to Show TABE Improvement
  - Computer-Assisted Curriculum (Appinium in Salesforce)



**TRANSITIONS ACADEMY**  
Illinois Community College Board  
Career and Technical Education and Adult Education and Literacy

Future dates:  
Join us for the Spring Transitions Academy Event

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