

PLATO[®] Math Fundamentals

Grade Level: 2–7
Target Audience: Middle/High School/Adult
Audio Support: Optional

Product Features

- 671 discrete learning objectives
- Over 300 supplemental worksheets with answer keys
- Tutorials, drills, and mastery tests
- Engaging and appropriate graphics
- Problem-solving strategies embedded across the curriculum
- Course level assessments
- Spanish version available
- Linked to PLATO[®] Fastrack Curriculum Placement Test
- Student Progress Sheets
- Varied online tools

Product Benefits

- Aligns to national, state, and local standards
- Allows for individualized learning paths
- Provides beginning math instruction from basic number ideas through geometry and measurement
- Models problem-solving strategies which allows for real world application of learning objectives
- Provides precise measurements of learner's progress
- Encourages learner to study at his or her own level and pace

Online Tools

Notebook—allows learner to type, save, and print notes

Glossary—provides definition of terms essential to understanding the activity

Dictionary—allows learner to search for the definition and correct spelling of a word

Menu Icons

Preferences—provides option to turn audio on/off and volume up/down

Print—allows learner to print screen

Hint—provides clue to help determine answer

Data—displays information relative to the activity

Help—provides explanation of menu icons and key strokes in the activity

Auto Play—provides option to turn audio on/off while playing

Menu—allows learner to return to the lesson menu

Right green arrow—moves forward to the next screen

Left green arrow—moves backward to previous screen

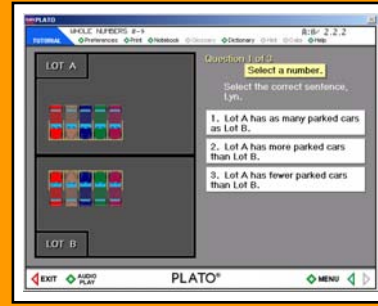
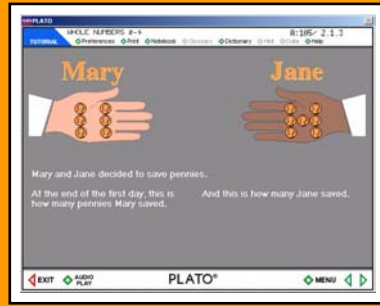
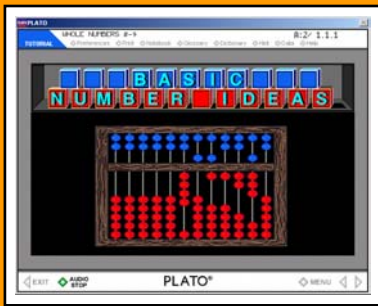
Left red arrow—allows learner to stop and exit the activity

Reference Materials (Refer to PLATO Documentation CD)

PLATO Curriculum Guide—Math Fundamentals

Instructor Aides—Student Progress Sheets

Optional Worksheets—Math Fundamentals



Getting Started

- Refer to the PLATO Curriculum Guide—Math Fundamentals to learn about the product features and benefits.
- Use the PLATO Software and Service Guide to identify the curriculum structure.
- Begin previewing courseware modules at the appropriate grade level.
- Become familiar with the reference materials on the PLATO Documentation CD.

Module Progression

- Tutorial—teaches math objectives and reinforces math terminology (not scored).
- Drill—reinforces objectives taught in the tutorial (scored).
- Mastery Test—includes randomly generated questions with no help available (scored).

Assessment

- Use Course Level Assessments to exempt learner from modules that contain skills they have already mastered and prescribe modules that target learning gaps.
- Use the optional worksheets as a pretest to identify learning gaps.
- Assign PLATO® Fastrack Curriculum Placement Test as an alternative to the Course Level Assessments to measure a broader range of mathematical skills.
- Use a state or local assessment to further identify and prioritize instructional needs.

Implementation Strategies

- Align the courseware modules with state standards and classroom instruction.
- Use PLATO® Math Fundamentals to strengthen core proficiency math skills.
- Assign the Optional Worksheets as a supplement to a courseware module.
- Include course level modules in credit recovery learning paths.
- Use as primary, supplemental, and/or complementary (self-paced) instruction.

Evaluation

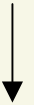
- Generate selected teacher reports to track student progress and measure gains.
- Discuss report data with learner to determine the next steps.
- Compile and evaluate Student Progress Sheets in student portfolio.

Extension Exercises

- Use the Optional Worksheets in small groups for review and reinforcement.
- Assign the Course Level Assessments as a post test.
- Allow learner to create their own worksheets relative to assigned topics.
- Develop writing prompts that extend course topics and have learner keep a journal.
- Align courseware modules with the units in PLATO® Projects for the Real World.

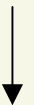
Curriculum
Structure

Curriculum



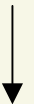
Math
Fundamentals

Course



Basic Number
Ideas

Module



Whole
Numbers 0-9

Tutorial

Drill

Mastery Test

For more information, please call 800.44.PLATO or visit www.plato.com

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