

Lesson Plan Adding and Subtracting Whole Numbers 2

Secondary Courseware Skill Level 2

Lesson (PLATO):

Curriculum: Foundational Math

Course: Adding and Subtracting Whole Numbers 2

Module: Adding Multi-Digit Numbers

Objective/Skill Activity (PLATO):

Objective: The learner will add any whole numbers of up to 4 digits, with or without regrouping.

Content Standard (PLATO/State):

Standard: 6.M.1.2.2

Goal: Add, subtract, multiply, and divide whole numbers, decimals, and simple fractions (including unlike denominators).

Anticipatory Set (Teacher):

Activity: Teacher will utilize the PLATO Tutorial as the introduction to this lesson

Materials: Computer, Projector, PLATO Courseware, Offline Activity, Smart Tools if available (CPS Chalkboard)

Instructional Strategies (Teacher):

- Go through the tutorial as a whole group introduction to this objective
- Check the students understanding of the lesson by utilizing the PLATO Courseware and at the Practice/Application level as a whole group activity.
- Encourage collaborative explorations and discussions using the Math Tools.
- Project the courseware on a screen for classroom demonstrations and discussions.

Classroom Activities (setting, schedule, time allotment, student guided, and independent practice):

- Whole group interaction with the students by utilizing the PLATO courseware and the learning tools provided with in the courseware.
- Use the courseware as a vehicle for individual support within a problem-solving classroom.
- Encourage peer-tutoring by assigning pairs of learners to work through a tutorial and practice together.

Extension Activity (Teacher):

- Offline activity will be provided as a follow-up activity
- Develop Journal prompts that encourage the learner to further extend their mathematical knowledge and make connections
- Assign individual lessons to small groups; have each group teach the lesson content to the whole group

Closure Activity (Teacher):

Review the materials presented through the PLATO Courseware and check the students understanding of the concepts taught

Assessment Strategy (PLATO/Teacher):

- PLATO Mastery test will be completed by each student and passed with a score of 80% or better.
- Use course level assessments as pre-tests to prescribe modules that target skill gaps.
- Use mastery tests as pre-tests to allow learners to “test out” of particular modules.
- Use printed-out journal exercises and offline activities as part of a portfolio-based assessment plan.

Follow-up/Comments:

Students not passing the mastery test will be required to repeat the tutorial and supporting materials before taking the test again

**Lesson Plan Adding and Subtracting
Whole Numbers 2**

Secondary Courseware Skill Level 2

Lesson (PLATO):

Curriculum: Foundational Math

Course: Adding and Subtracting Whole Numbers 2

Module: Subtracting Multi-Digit Numbers with Regrouping

Objective/Skill Activity (PLATO):

Objective: The learner will subtract whole numbers of up to 4 digits (single regrouping only, no regrouping across zeros).

Content Standard (PLATO/State):

Standard: 6.M.1.2.2

Goal: Add, subtract, multiply, and divide whole numbers, decimals, and simple fractions (including unlike denominators).

Anticipatory Set (Teacher):

Activity: Teacher will utilize the PLATO Tutorial as the introduction to this lesson

Materials: Computer, Projector, PLATO Courseware, Offline Activity, Smart Tools if available (CPS Chalkboard)

Instructional Strategies (Teacher):

- Go through the tutorial as a whole group introduction to this objective
- Check the students understanding of the lesson by utilizing the PLATO Courseware and at the Practice/Application level as a whole group activity.
- Encourage collaborative explorations and discussions using the Math Tools.
- Project the courseware on a screen for classroom demonstrations and discussions.

Classroom Activities (setting, schedule, time allotment, student guided, and independent practice):

- Whole group interaction with the students by utilizing the PLATO courseware and the learning tools provided with in the courseware.
- Use the courseware as a vehicle for individual support within a problem-solving classroom.
- Encourage peer-tutoring by assigning pairs of learners to work through a tutorial and practice together.

Extension Activity (Teacher):

- Offline activity will be provided as a follow-up activity
- Develop Journal prompts that encourage the learner to further extend their mathematical knowledge and make connections
- Assign individual lessons to small groups; have each group teach the lesson content to the whole group

Closure Activity (Teacher):

Review the materials presented through the PLATO Courseware and check the students understanding of the concepts taught

Assessment Strategy (PLATO/Teacher):

- PLATO Mastery test will be completed by each student and passed with a score of 80% or better.
- Use course level assessments as pre-tests to prescribe modules that target skill gaps.
- Use mastery tests as pre-tests to allow learners to “test out” of particular modules.
- Use printed-out journal exercises and offline activities as part of a portfolio-based assessment plan.

Follow-up/Comments:

Students not passing the mastery test will be required to repeat the tutorial and supporting materials before taking the test again

Lesson Plan Adding and Subtracting Whole Numbers 2

Secondary Courseware Skill Level 3

Lesson (PLATO):

Curriculum: Foundational Math

Course: Adding and Subtracting Whole Numbers 2

Module: Subtracting Multi-Digit Numbers with Consecutive Regrouping

Objective/Skill Activity (PLATO):

Objective: The learner will subtract whole numbers of up to 4 digits with multiple regroupings (no regrouping across zeros).

Content Standard (PLATO/State):

Standard: 6.M.1.2.2

Goal: Add, subtract, multiply, and divide whole numbers, decimals, and simple fractions (including unlike denominators).

Anticipatory Set (Teacher):

Activity: Teacher will utilize the PLATO Tutorial as the introduction to this lesson

Materials: Computer, Projector, PLATO Courseware, Offline Activity, Smart Tools if available (CPS Chalkboard)

Instructional Strategies (Teacher):

- Go through the tutorial as a whole group introduction to this objective
- Check the students understanding of the lesson by utilizing the PLATO Courseware and at the Practice/Application level as a whole group activity.
- Encourage collaborative explorations and discussions using the Math Tools.
- Project the courseware on a screen for classroom demonstrations and discussions.

Classroom Activities (setting, schedule, time allotment, student guided, and independent practice):

- Whole group interaction with the students by utilizing the PLATO courseware and the learning tools provided with in the courseware.
- Use the courseware as a vehicle for individual support within a problem-solving classroom.
- Encourage peer-tutoring by assigning pairs of learners to work through a tutorial and practice together.

Extension Activity (Teacher):

- Offline activity will be provided as a follow-up activity
- Develop Journal prompts that encourage the learner to further extend their mathematical knowledge and make connections
- Assign individual lessons to small groups; have each group teach the lesson content to the whole group

Closure Activity (Teacher):

Review the materials presented through the PLATO Courseware and check the students understanding of the concepts taught

Assessment Strategy (PLATO/Teacher):

- PLATO Mastery test will be completed by each student and passed with a score of 80% or better.
- Use course level assessments as pre-tests to prescribe modules that target skill gaps.
- Use mastery tests as pre-tests to allow learners to “test out” of particular modules.
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Follow-up/Comments:

Students not passing the mastery test will be required to repeat the tutorial and supporting materials before taking the test again

Lesson Plan Adding and Subtracting Whole Numbers 2

Secondary Courseware Skill Level 2

Lesson (PLATO):

Curriculum: Foundational Math

Course: Adding and Subtracting Whole Numbers 2

Module: Subtracting across Zeros

Objective/Skill Activity (PLATO):

Objective: The learner will subtract any whole numbers of up to 4 digits with multiple regroupings (including regrouping across zeros).

Content Standard (PLATO/State):

Standard: 6.M.1.2.2

Goal: Add, subtract, multiply, and divide whole numbers, decimals, and simple fractions (including unlike denominators).

Anticipatory Set (Teacher):

Activity: Teacher will utilize the PLATO Tutorial as the introduction to this lesson

Materials: Computer, Projector, PLATO Courseware, Offline Activity, Smart Tools if available (CPS Chalkboard)

Instructional Strategies (Teacher):

- Go through the tutorial as a whole group introduction to this objective
- Check the students understanding of the lesson by utilizing the PLATO Courseware and at the Practice/Application level as a whole group activity.
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Closure Activity (Teacher):

Review the materials presented through the PLATO Courseware and check the students understanding of the concepts taught

Assessment Strategy (PLATO/Teacher):

- PLATO Mastery test will be completed by each student and passed with a score of 80% or better.
- Use course level assessments as pre-tests to prescribe modules that target skill gaps.
- Use mastery tests as pre-tests to allow learners to “test out” of particular modules.
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Follow-up/Comments:

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Whole Numbers 2

Lesson (PLATO):

Curriculum: Foundational Math

Course: Adding and Subtracting Whole Numbers 2

Module: Solving Addition and Subtraction Story Problems

Objective/Skill Activity (PLATO):

Objective: The learner will solve problems using addition and subtraction with whole numbers.

Content Standard (PLATO/State):

Standard: 6.M.1.2.2

Goal: Add, subtract, multiply, and divide whole numbers, decimals, and simple fractions (including unlike denominators).

Anticipatory Set (Teacher):

Activity: Teacher will utilize the PLATO Tutorial as the introduction to this lesson

Materials: Computer, Projector, PLATO Courseware, Offline Activity, Smart Tools if available (CPS Chalkboard)

Instructional Strategies (Teacher):

- Go through the tutorial as a whole group introduction to this objective
- Check the students understanding of the lesson by utilizing the PLATO Courseware and at the Practice/Application level as a whole group activity.
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