Day 6 – Introducing Addition with Objects and Drawings

Grade 1 Math • Day 6 Lesson Plan

Topic: Introducing Addition with Objects and Drawings
Date: September 8, 2025
Week: 2 — Quarter 1

Wisconsin State Standard(s)

WI.MATH.1.OA.A.1
Use addition and subtraction within 20 to solve word problems involving situations of adding to, putting together, and comparing, with unknowns in all positions using objects, drawings, and equations.
View Standard

Learning Objective

Students will model addition using real objects and drawings and write addition equations for totals up to 10.

Success Criteria

- I can combine two groups of objects to find the total.
- I can draw pictures to represent an addition story.
- I can write an equation that matches my drawing.

Hook (Engaging Intro)

“Stuffed Animal Story”
Show 3 stuffed animals on one side of a mat and 2 on the other.
Ask:

> “How many animals altogether?”
> Draw it out together, then write 3 + 2 = 5.

Activities (Student-Centered)

1. **Hands-On Addition with Counters**
   Students use 2-color counters to model different addition facts (e.g., 4 red + 3 yellow). Then write the matching equation.

2. **Draw & Solve Story Problems**
   Read simple story problems aloud (e.g., “There are 5 birds. 2 more join them.”). Students draw and label the solution, then write an equation.

3. **“Addition Match” Card Game**
   Students match picture cards (dot or object drawings) to number sentences (e.g., card with + → 5).

Differentiation Strategies

- **Struggling Learners**:
  Use small numbers (1–5), provide number lines, act out problems physically.

- **Advanced Learners**:
  Challenge with totals up to 15; introduce missing addends.

- **ELL/ML**:
  Use visuals, sentence frames: “**_ and** is __.” Model language using realia.

Formative Assessment

Observe student models and equations during activities.
Ask students to explain:

> “What do your counters show?”
> “How do your pictures match your equation?”

Materials Needed

- 2-color counters
- Object picture cards (for game)
- Drawing paper and pencils
- Whiteboards and markers
- Optional: stuffed animals or small toys for demo

Closure Activity

Turn and talk: “What was your favorite addition story today?”
Students draw one problem on a mini whiteboard and share their equation.

Optional Extension Ideas

- **Home Challenge**: Use toys or snacks at home to make their own addition story.
- **Digital Game**: Assign addition puzzles via ABCya or Starfall.

Day 7 – Writing Addition Number Sentences from Word Problems

Grade 1 Math • Day 7 Lesson Plan

Topic: Writing Addition Number Sentences from Word Problems
Date: September 9, 2025
Week: 2 — Quarter 1

Wisconsin State Standard(s)

WI.MATH.1.OA.A.1
Use addition within 20 to solve word problems involving adding to, putting together, and comparing, with unknowns in all positions.
View Standard PDF

Learning Objective

Students will read and solve addition word problems and write matching number sentences with symbols (+ and =) for sums up to 10.

Success Criteria

- I can read and understand an addition story.
- I can use a drawing or objects to solve it.
- I can write a number sentence that shows what happened in the story.

Hook (Engaging Intro)

“Math Story Theater”
Act out a quick scenario:

> “3 students are sitting. 4 more walk in. How many now?”
> Have students model with fingers or counters and try to say the matching number sentence.

Activities (Student-Centered)

1. **Story Problem Stations**
   Rotate through stations with printed word problems. Students:
   - Read or listen to the story
   - Use cubes to model
   - Draw the model
   - Write a number sentence
2. **Equation Match**
   Given a drawing or scenario, students pick from a set of 3 equations and circle the correct one.
3. **Partner Problem Swap**
   Each student creates a story, draws it, and gives it to a partner to solve and write the number sentence.

Differentiation Strategies

- **Struggling Learners**:
  Use simple stories with visuals and manipulatives. Pre-write number banks.
- **Advanced Learners**:
  Use unknowns in different positions (e.g., “_ + 4 = 8”). Introduce vertical equations.
- **ELL/ML**:
  Add picture cues and sentence frames:

  > “There were **, then _** came. Now there are __.”

Formative Assessment

Walk around during stations. Check if students’ models match their number sentences.
Ask:

> “How does your drawing show your story?”

Materials Needed

- Word problem cards or slides
- Cubes or counters
- Recording sheets with drawing and equation boxes
- Crayons/pencils
- Pre-written number sentence cards (for matching)

Closure Activity

Students write one word problem of their own, draw it, and write the number sentence. Volunteers share with the class.

Optional Extension Ideas

- **Home Challenge**: Write an addition story using family or pets at home.
- **Math Journal**: Reflect: “How can I show math with words and numbers?”

Day 8 – Exploring the Part-Part-Whole Relationship

Grade 1 Math • Day 8 Lesson Plan

Topic: Exploring the Part-Part-Whole Relationship
Date: September 10, 2025
Week: 2 — Quarter 1

Wisconsin State Standard(s)

WI.MATH.1.OA.B.4
Understand subtraction as an unknown-addend problem.

> Example: Subtract 10 – 8 by finding the number that makes 10 when added to 8.

This lesson introduces the part-part-whole model to lay the foundation for addition and subtraction connections.

View Standard PDF

Learning Objective

Students will understand how two numbers can be parts of a whole and use part-part-whole diagrams to solve addition problems and discover missing parts.

Success Criteria

- I can identify the whole and parts in a number sentence.
- I can show parts that make a whole using cubes or drawings.
- I can find a missing part when given one part and the whole.

Hook (Engaging Intro)

“Mystery Box” Challenge
Place 5 cubes in a covered container and pull out 2. Ask:

> “How many are still hiding?”
> Repeat with different combinations.

Activities (Student-Centered)

1. **Part-Part-Whole Mat Practice**
   Students use mats with three circles. They place cubes in two “part” circles and count the total in the “whole” circle.

2. **Find the Missing Part Game**
   Provide a total (whole) and one part. Students use manipulatives or draw to figure out the missing part.

3. **Draw & Record**
   Students draw their own part-part-whole models and write a related equation (e.g., 2 + _ = 5).

Differentiation Strategies

- **Struggling Learners**:
  Start with totals under 10; model with real objects; allow partner support.

Advanced Learners:

- Use 3-number combinations (e.g., 2 + 3 + _ = 10); extend to totals up to 20.

- **ELL/ML**:
  Use visuals and number vocabulary; reinforce sentence frames:

  > “The parts are **_ and** . The whole is __.”

Formative Assessment

Observe mat work and listen to student explanations.
Ask:

> “How do you know that’s the missing part?”
> Collect exit slips with one part-part-whole drawing and equation.

Materials Needed

- Part-part-whole mats
- Cubes or counters
- Dry-erase markers
- Drawing paper or exit slip templates
- Optional: small containers or boxes for Mystery Box game

Closure Activity

Students solve a part-part-whole challenge on a mini whiteboard:

> “The whole is 8. One part is 3. What’s the missing part?”
> Then turn and talk to explain their strategy.

Optional Extension Ideas

- **Home Challenge**: Find two groups of toys or objects and write an addition sentence.
- **Center Activity**: Use digital tools (e.g., Toy Theater’s part-part-whole game).

Day 9 – Solving for the Missing Addend

Grade 1 Math • Day 9 Lesson Plan

Topic: Solving for the Missing Addend
Date: September 11, 2025
Week: 2 — Quarter 1

Wisconsin State Standard(s)

WI.MATH.1.OA.B.4
Understand subtraction as an unknown-addend problem.

> Example: 7 = _ + 3 — students solve for the unknown using drawings or objects.
> View Standard PDF

Learning Objective

Students will solve for missing parts in addition number sentences using drawings, counters, and reasoning strategies.

Success Criteria

- I can use tools and drawings to solve for a missing number.
- I can explain how I found the missing part.
- I can check my work using addition or subtraction.

Hook (Engaging Intro)

“The Missing Math Detective”
Write: ___ + 4 = 7 on the board. Ask:

> “What could the missing number be?”
> Have students guess and prove it using cubes or fingers.

Activities (Student-Centered)

1. **Build & Solve Task Cards**
   Give students task cards with number sentences missing an addend (e.g., ___ + 3 = 6).
   Students use counters to build both known and unknown parts.

2. **Draw & Fill the Blank**
   Students draw dots or pictures for the known part, then draw more until they reach the total. Record the full equation.

3. **Partner Check Challenge**
   One student picks a number sentence with a missing addend and solves. The partner checks the answer with addition and subtraction.

Differentiation Strategies

- **Struggling Learners**:
  Use total sums ≤ 10; model with manipulatives side-by-side.

- **Advanced Learners**:
  Introduce problems with unknowns in different positions:
  6 = ___ + 2 and ___ = 4 + 3

- **ELL/ML**:
  Use sentence starters:

  > "I added _ **and** to make __."
  > Use visual math word banks with symbols and vocabulary.

Formative Assessment

Students complete 3 missing addend problems independently using drawings or objects.
Checklist:
✔ Strategy shown
✔ Equation complete
✔ Answer correct
✔ Oral or written explanation given

Materials Needed

- Task cards (with missing addends)
- Counters or connecting cubes
- Mini whiteboards and markers
- Drawing paper or printed templates
- Pencils

Closure Activity

"Prove It!"
Show __ + 5 = 9. Ask for two different ways to solve. Students explain their thinking to the group.

Optional Extension Ideas

- **Home Challenge**: Ask a parent to give them “mystery total” problems to solve at home.
- **Digital Practice**: Use “Math Playground” or “SplashLearn” missing addend games.

Day 10 – Using Number Bonds to Strengthen Addition & Subtraction Thinking

Grade 1 Math • Day 10 Lesson Plan

Topic: Using Number Bonds to Strengthen Addition & Subtraction Thinking
Date: September 12, 2025
Week: 2 — Quarter 1

Wisconsin State Standard(s)

WI.MATH.1.OA.C.5
Relate counting to addition and subtraction (e.g., count on 2 to add 2).

WI.MATH.1.OA.B.4
Understand subtraction as an unknown-addend problem.
WI Standards PDF

Learning Objective

Students will use number bonds to show relationships between numbers and explain how parts and wholes can be used for both addition and subtraction.

Success Criteria

- I can show two parts that make a whole using number bonds.
- I can write an addition and a subtraction fact using the same numbers.
- I can explain how the parts and whole are related.

Hook (Engaging Intro)

“Who’s Missing?” Game
Show a number bond with the whole and one part. Ask:

> “Who’s missing from this number family?”
> Let students guess and prove it with counters.

Activities (Student-Centered)

1. **Number Bond Builders**
   Students use counters to model two parts and a whole on number bond templates. Then write the addition sentence and related subtraction sentence.

2. **Fact Family Match-Up**
   Give students cards with 3 related numbers (e.g., 2, 3, 5). They build and record both addition and subtraction facts.

3. **Number Bond Scoot Game**
   Place number bonds around the room with a missing number. Students rotate to solve and record their work.

Differentiation Strategies

- **Struggling Learners**:
  Use visual number bond mats and manipulatives for small totals (up to 10).

- **Advanced Learners**:
  Extend to totals up to 20; challenge to write 4 related facts per number bond.

- **ELL/ML**:
  Provide sentence frames:

  > “**_ and** make **.** minus **is _**.”
  > Include visual labels for part/part/whole.

Formative Assessment

Use a checklist as students build number bonds and record equations. Listen for explanations of how parts relate to the whole.

Materials Needed

- Number bond templates
- Counters or linking cubes
- Pre-made fact family cards
- Scoot game setup (laminated number bonds, clipboards)
- Dry-erase markers or pencils

Closure Activity

Each student builds a number bond and writes 2 addition + 2 subtraction facts. Share with a partner and explain how they’re connected.

Optional Extension Ideas

- **Home Connection**: Find toys or snack groups and build number bonds at home.
- **Digital Center**: Assign a number bond game from SplashLearn or Toy Theater.
