



Addition and Subtraction Fact Families Lesson Plan: Grade 1

Grade Level: **First Grade** | Duration: **Two days, 30 minutes per lesson**

Objective

In this lesson, first graders use BrainPOP Jr. resources to learn how to use fact families to add and subtract.

Students will:

- 1. Build Background Knowledge:**
 - Watch the BrainPOP Jr. Addition and Subtraction Fact Families movie.
- 2. Think and Do:**
 - Word Play: Create and act out a skit about a domain-specific vocabulary word.
 - Activity: Create fact family triangles.
- 3. Assess:**
 - Take the Addition and Subtraction Fact Families quiz.

Preparation

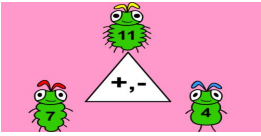

- Preview the BrainPOP Jr. movie [Addition and Subtraction Fact Families](#) to plan for any adaptations.
- Read [Addition and Subtraction Fact Families Background Information](#).
- Create and schedule Day 1 assignment: [Addition and Subtraction Fact Families Movie](#) and [Word Play](#).
- Create and schedule Day 2 assignment: [Addition and Subtraction Fact Families Movie](#), [Activity](#), and [Easy Quiz](#).

Before the Lesson

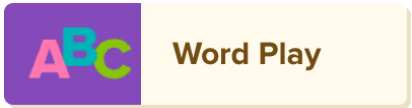
Background knowledge helps students make sense of new ideas and experiences. To activate prior knowledge, ask these questions:

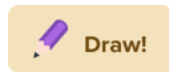
- *What does it mean to be related to someone?*
- *How could you use an addition problem to help you solve a subtraction problem?*

DAY 1: Build Background (10 minutes)

Lesson Steps	Offline Modifications	Modifications for Diverse Learners	ELL/Language Development
<div style="text-align: center;">  </div> <p>1. Watch the Addition and Subtraction Fact Families movie. Click pause whenever a question appears in Annie's Notebook. Discuss the question, then click play for Annie's response.</p> <p>TIP: Pause turns red to remind you to pause.</p> <div style="text-align: center;">  </div>	<ul style="list-style-type: none"> Print the movie transcript and Annie's Notebook for a grown-up to read aloud. Have a student play Moby and "beep" in response to Annie. Read aloud a grade-level sentence two times while tracking with your finger. Then track again, word-by-word as students repeat the words. Do this for three sentences. 	<ul style="list-style-type: none"> Set a specific viewing purpose for individual students or small groups based on lesson objectives and student readiness. For example, have students focus on how addition and subtraction are opposite actions. Pause at two key points and prompt students to summarize. Support recall by having students draw one or two key ideas from the movie. 	<ul style="list-style-type: none"> Pause for new vocabulary. Use the word in a sentence. Prompt students to say the word and repeat the sentence. Invite them to draw a picture of the word. Create a word wall with vocabulary and the drawing. Pause at key points and ask discussion questions from Annie's Notebook in the student's home language or English.

DAY 1: Think & Do (20 minutes)

Lesson Steps	Offline Modifications	Modifications for Diverse Learners	ELL/Language Development
<div style="text-align: center;">  </div> <p>2. Students open their Word Play assignment. Or, if not using Assignment Builder, model how to open Word Play.</p>	<ul style="list-style-type: none"> Print the "Draw!" page for the word a student chooses. Students draw the picture with markers or crayons and label the picture. 	<ul style="list-style-type: none"> Model how to use the drawing tools. Assign appropriately challenging words to individual students. As a challenge, have students draw more than one word. 	<ul style="list-style-type: none"> Say student's selected Word Play word in their home language. Then say it in English. Have students repeat it in English. Use the word in a sentence. Prompt students to say the word and repeat the sentence.



Students click one of the words and choose the “Draw” tab.

They draw an example of the vocabulary word. If the word is “patten,” students draw an example of a pattern.

When they finish, students click **Submit To Teacher** and/or print out.

- Hover over the prompt to hear it read aloud. **Repeat the prompt in students’ home language.**

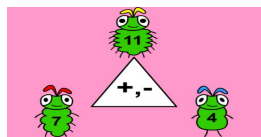
DAY 2: Build Background (5 minutes)

Lesson Steps

Offline Modifications

Modifications for Diverse Learners

ELL/Language Development




3. Watch the [Addition and Subtraction Fact Families](#) movie again.

Prompt students to find a fact or something new that they didn’t notice the first time.

- Students return to their drawings of **key concepts from the first viewing** and add new details.
- As a **challenge**, invite students to identify more than one new fact.

DAY 2: Think & Do (20 minutes)

Lesson Steps	Offline Modifications	Modifications for Diverse Learners	ELL/Language Development
<div style="display: flex; align-items: center; margin-bottom: 10px;">  <div style="border: 1px solid #ccc; border-radius: 5px; padding: 5px; background-color: #fff9c4;"> <p style="margin: 0;">Activity</p> </div> </div> <p>4. Students open their Activity assignment. Or, if not using Assignment Builder, model how to open Activity.</p> <p>Students click the Start arrow to begin, and click PRINT at the bottom of the page. Then they use scissors and glue to create their fact triangles.</p>	<ul style="list-style-type: none"> Have students cut out three triangles with the +, - signs like the ones the Activity page. Then instruct them to create fact families using the numbers 2, 3, 5, 6, 7, 8, 10, 11, and 16. 	<ul style="list-style-type: none"> Before starting, have students discuss their predictions about which numbers go on the same triangles. Challenge students to think of more fact families that could go on new triangles. Reduce the number of fact families to complete. 	<ul style="list-style-type: none"> Read aloud the activity in students' home language or English to review the directions.

DAY 2: Assess (5 minutes)

Lesson Steps	Offline Modifications	Modifications for Diverse Learners	ELL/Language Development



5. Students open their Quiz assignment. Or, if not using Assignment Builder, model how to open the [Easy Quiz](#).

If you assigned the quiz, you will see students' results in your Dashboard. If not assigned, students click the **Submit to Teacher** button.

- Print the [Easy Quiz](#). Read aloud the questions and answers.

- Hover over the **questions** and answers to hear them **read aloud**.
- **Reduce the number** of questions and/or possible answers (using the Quiz Mixer).
- **Support recall** by revisiting movie drawings.

- Read aloud the quiz in students' home language.
- **Highlight the key vocabulary** in a printable version of the quiz.
- Support recall by having students review drawings they made during the movie.