LESSON PLANS: SASKATCHEWAN

Grade 1: Number

🕐 **45 MINS**

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Outcome: N1.9
- Demonstrate an understanding of addition of numbers with answers to 20 and the corresponding subtraction facts, concretely, pictorially, physically, and symbolically by:
    - using familiar and mathematical language to describe additive and subtractive actions from their experience
    - creating and solving problems in context that involve addition and subtraction
    - modelling addition and subtraction using a variety of concrete and visual representations, and recording the process symbolically.

Outcomes: N1.10
- Describe and use mental mathematics strategies (memorization not intended), such as:
    - counting on and counting back
    - making 10
    - doubles
    - using addition to subtract

📚 ITEMS NEEDED
- ✔ Interactive whiteboard
- ✔ Mathletics teacher login
- ✔ Mathletics student logins
- ✔ Manipulatives
- ✔ Teacher notes from "Lady Bug Crawl"
- ✔ Student handout–Lady Bug Crawl
- ✔ Computers/Tablets

📋 ASSESSMENTS
- ✔ Observation
- ✔ Participation
- ✔ Reviewing completed student Lady Bug Crawl worksheet
- ✔ Results from curriculum activities within Mathletics teacher account

⚙ ACCOMMODATIONS/ MODIFICATIONS
- ✔ Concept Search number line for addition.
- ✔ Students who are having difficulty could be given smaller numbers or asked to find fewer combinations.
- ✔ Encourage students to click on "Something Easier" and "Something Harder" within Mathletics curriculum activities.

📜 EXTENSION OF LEARNING
- ✔ Problem Solving Game
- ✔ Curriculum activities
- ✔ Live Mathletics Levels 1, 2
- ✔ Rainforest Maths Grade 1

Introduction to Lesson 🕐 10 MINS

Teacher Background:

Please review the teacher notes from the eBook.
This is located in the

Mathletics Teacher Console > eBooks > Grade 1 > Lady Bug Crawl > Teacher notes.

On the interactive whiteboard, play video from "Lady Bug Crawl," located in the Mathletics Teacher Console under eBooks. This will initiate the thought process based on a visual for computational learning. Pause during the questions asked in the video.

Ask students for further extension:
- Why was it more useful to move 2 lady bugs than just 1?
- Why was the total of 14 the same in both of your number sentences?
- Could you have predicted that?
- How would the number sentences have been alike and different if 6 lady bugs had crawled from the right to the left?

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The Lesson   🕐 30 MINS

eBook: Lady Bug Crawl

- Hand out the student sheet and have them complete student question. Give students enough time to brainstorm as many number sentences as possible. Provide students with manipulatives and have the students color and cut out the lady bugs and leaves.

- Display "Lady Bug Crawl" interactive on interactive whiteboard. Have the students show/share the number sentences they created.

  Prompt questions:
    – How many lady bugs are on each leaf at the start? At the end?
    – How did the two numbers you started with change?
    – Why couldn't both numbers increase?
    – Why couldn't both decrease?
    – Why couldn't both decrease?

- **Reinforcement:** Have the students complete curriculum activities in the Student Console. Suggested activities; Model addition, Addition, Addition facts, Adding to 5, Adding to ten, Adding to make 5 and 10 and All about twenty.

- **Extra-time activity/cross-curriculum activity:** Have the students create their own problem using construction paper and bugs or animals as the visual. How many number sentences can they create?

One Two

LADY BUG CRAWL

Number

After the lesson   🕐 5 MINS

- Have the students journal or share the learning that took place during this session.
- They should say what they learned today, and be specific with their examples.
- Students can show/share some of the number sentences they created.
- Discuss what they found to be hard/easy for the number sentences.
- Students can also glue their lady bugs and leaves on a piece of construction paper along with one number sentence.