

LESSON PLANS: SASKATCHEWAN

Grade 2: Number

 45 MINS

powered by

 Mathletics

Outcome: N2.2

- Demonstrate understanding of addition (limited to 1 and 2-digit numerals) with answers to 100 and the corresponding subtraction by:
 - representing strategies for adding and subtracting concretely, pictorially, and symbolically
 - creating and solving problems involving addition and subtraction
 - estimating
 - using personal strategies for adding and subtracting with and without the support of manipulatives.

Introduction to Lesson

 10 MINS

Teacher Background:

Review the Teacher Notes. These are located in the

Teacher Console > eBooks > Grade 2 > 3 Ribbons

Once you click on the book, options will show up on the far right; click on the Teacher Notes.

Play video from “3 Ribbons” on the interactive whiteboard for the students. This is located in the Mathletics Teacher Console under eBooks. This will initiate the thought process based on a visual for computational learning. This is to start a discussion but not to solve the question. Students will have the opportunity to solve the question during the lesson.

Ask students for further extension to get them to start thinking about how they can solve the problem:

- Do you think that the shortest ribbon could be 80 cm long? Why or why not?
- Do you think that the longest ribbon could be 50 cm long? Why or why not?
- Could one ribbon be 5 cm long? Why or why not?
- Could one ribbon be twice as long as another?
- What strategy did you use to come up with solutions?
- Once have a solution, how could you use it to create another one?



ITEMS NEEDED

- ✓ Interactive whiteboard
- ✓ Mathletics teacher login
- ✓ Student Mathletics logins
- ✓ Teacher notes from “3 Ribbons”
- ✓ Student handout for “3 Ribbons”
- ✓ Math journals
- ✓ Computers/mobile devices



ASSESSMENTS

- ✓ Observation and participation
- ✓ Reviewing completed “3 Ribbons” student worksheet
- ✓ Reporting results within the Mathletics Teacher Console for curriculum and Live Mathletics results.



ACCOMMODATIONS/ MODIFICATIONS

- ✓ Provide students with ribbons for manipulative.
- ✓ Encourage students to click on “Something Easier” and “Something Harder” within Mathletics curriculum activities.



EXTENSION OF LEARNING

- ✓ Problem Solving Game under Subtraction
- ✓ Curriculum activities
- ✓ Live Mathletics Levels 1 and 2

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The Lesson

 30 MINS

eBook: 3 Ribbons

- Within the Teacher Console and the "3 Ribbons" eBook, click on "3 Ribbons" under Interactive on the far right. This can be displayed on the interactive whiteboard. Click on the **See Question** tab. Discuss some strategies students can use to solve the problem. Teachers can access Problem Solving strategies under eBooks, Problem Solving tab on the far right. Click on the Problem Solving tab; there will be three books to choose from. For grade 2, click on the Level 1 Problem Solving booklet.
- The strategies discussed in the Problem Solving eBook are; Read, plan, work and check; Draw a diagram; Look for patterns; Act it out; Trial and error; Make a list; Estimation; Work backwards; and Open ended. Discuss strategies with students and allow them to work in groups/pairs to solve the problem.
- **Reinforcement:** Using computers or mobile devices, students complete curriculum activities in the Student Console.
 - Suggested activities:**
 - Additive Addition
 - Simple Subtraction
 - Subtract Numbers
 - Related Facts 1
- **Extra-time activity/cross-curriculum activity:** Mystery Number. Pick a two-digit number and create hints for students to figure out the number. Have the students create a poster displaying hints for what the number could be. Encourage students to use number sentences, pictures, or words. Teachers can implement rules such as: a minimum of 4 hints, you cannot use any numbers from your mystery number, has to be at least a 2 digit number, etc.



After the lesson

 5 MINS

- Have the students reflect in their journals about the lesson.
- What strategies did they use?
- Which ones did they find to be helpful in solving this problem?
- Or create a "What stuck with you today?" board.
- Students write their responses on sticky notes and place them on this board.
- Review these sticky notes at the end of the week and share the process/thoughts with the class.



For more information contact our friendly team...
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