

LESSON PLANS

Year 2: Number



45 MINS

powered by

Mathletics

General Outcome:

•Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods.

Specific Outcomes:

- Add and Subtract numbers to 100.
- Represent and estimate numbers using different representations including the number line.
- Use mathematical vocabulary to explain reasoning.

Starter



10 MINS

On the interactive whiteboard, play the video "3 Ribbons" to introduce the problem located in Lessons, "Year 2: Numbers". 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 you have a solution, how could you use it to create another one?



ITEMS NEEDED

- ✓ Interactive whiteboard
- ✓ Mathletics teacher login
- ✓ Mathletics student logins
- ✓ Manipulatives
- ✓ Teacher notes from "3 Ribbons"
- ✓ Student worksheet for "3 Ribbons"
- ✓ Computers/Tablets



ASSESSMENTS

- ✓ Observation and participation
- ✓ Reviewing completed student "3 Ribbons" worksheet
- ✓ Results within the Mathletics Teacher Console from curriculum activities and Live Mathletics results.



ACCOMMODATIONS/ MODIFICATIONS

- ✓ Provide students with ribbons, or strips of paper to use.
- ✓ 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, 2
- ✓ Rainforest Maths Year 2


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Teaching/ Main Activity

 30 MINS

eBook: 3 Ribbons

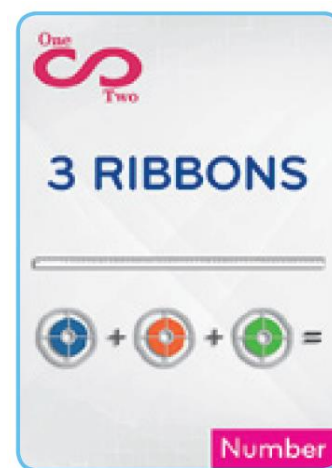
- Display "3 Ribbons" interactive on the interactive whiteboard. Discuss how to attack the problem. Revise or show problem solving strategies. The strategies covered are; Read, plan, work and check; Trial and error; Draw a diagram. Discuss each of these approaches and ask students to choose a strategy and complete the student worksheet.

- Reinforcement: Using computers or mobile devices, ask students to complete assigned curriculum activities in the Mathletics Student Console.


Suggested activities:

- Addictive Addition
- Simple Subtraction
- Subtract Numbers
- Related Facts 1

- Extension activity/cross-curricula 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.



Plenary

 5 MINS

- Ask students to share the learning that took place during this session with a talking partner.
- Students should share what they have learned and compare their work to their partners.
- Discuss what they found challenging with the number sentences.
- Students to glue their ladybugs and write one accompanying number sentence to create a display.



For more information contact our team...

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