

LESSON PLANS

Year 1: Number



45 MINS

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Mathletics

General Outcome:

- Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations.

Specific Outcomes:

- Represent and use number bonds and related subtraction facts within 20.
- Add and subtract one-digit and two-digit numbers to 20, including zero.
- Use concrete objects and pictorial representations to represent addition.

Introduction



10 MINS

On the interactive whiteboard, play the video "Lady Bug Crawl" from Lessons "Year 1: Number" to introduce the problem. Pause the video when questions are posed on screen.

To scaffold the learning, ask:

- How many 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?

To extend the learning, ask students:

- 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?



ITEMS NEEDED

- ✓ Interactive whiteboard
- ✓ Mathletics teacher login
- ✓ Mathletics student logins
- ✓ Manipulatives
- ✓ Teacher notes from "Lady Bug Crawl"
- ✓ Student Worksheet-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 asked to find fewer combinations and encouraged to use physical resources.
- ✓ 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 Year 1

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Teaching/ Main Activity

 30 MINS

eBook: Lady Bug Crawl


- Hand out the "**printable problem**" to students and ask students to complete the question. Encourage students to work in pairs or small groups to share ideas and find as many number sentences as possible. Provide students with manipulatives such as counters of cubes and allow the students colour and cut out the lady bugs and leaves.
- Display "**Lady Bug Crawl**" interactive on interactive whiteboard. Ask the students to show the number sentences they created and explain how they found them.

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?
- Reinforcement: Set the students curriculum activities to complete 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.
 - Extension activity/cross-curricula activity: Ask the students create their own problem using construction paper and bugs or animals as the visual. How many number sentences can they create?



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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