

Maths Lesson Plan
<p><u>Age group:</u> Kindergarten 1 (4-5 years old)</p> <p><u>Number of children:</u> 8</p> <p><u>Concept:</u> Number sense (simple addition)</p> <p><u>Topic:</u> Plants</p> <p><u>Duration:</u> 45 minutes</p>
<p><u>Rationale:</u></p> <p>The topic “Plants” was chosen because the current theme for the level is plants. Hence, the activities that the children are tasked to do will be linked to plants.</p> <p>The concept of “Number sense” was chosen because the children were still finding it difficult to solve simple addition within 20. Hopefully through this activity, they will be able to improve their skills in simple addition.</p> <p>I chose to do this activity in a form of pair work as the children will learn how to solve problems together and also learn how to work with one another. I also chose to include pictorial (picture cards) and concrete (beads) as part of the materials. This is because children will be able to better understand and improve their skills in simple addition from 0-20.</p>
<p><u>Objectives:</u></p> <p>At the end of this session, children will be able to:</p> <ol style="list-style-type: none">1. Do simple addition within 202. Work together as a pair to do the activity.
<p><u>Environment Set-up:</u></p> <p>The lesson will be conducted in the classroom. Children will be gathered in front of the whiteboard during tune-in and closure. During the main activity, the children will be sitting on the table and they will be paired up. The materials will be placed on the tables before the lesson so that the children will be able to start with the activity when they returned to their seats. (Refer to Appendix E for the layout of the main activity)</p> <p><u>List of Materials:</u></p> <ol style="list-style-type: none">1. Good Afternoon song (Refer to Appendix A for lyrics)2. “The Mission of Addition” by Brian Cleary (Refer to Appendix B for the cover)

3. 4 pieces of laminated paper with outline (Refer to Appendix C)
4. 4 pieces of strings
5. 8 sets of picture cards (numbers from 0-10) (Refer to Appendix D)
6. 80 beads (to be placed in a small container)
7. 4 whiteboard markers and sponges (whiteboard with duster caps can also be used)

Procedures

Tune-in: (10 minutes)

1. Gather the children in front of the whiteboard.
2. Sing “Good Afternoon” song with the children.
3. Read the book “The Mission of Addition” to the children.
 - a. Ask the children various questions along the way. (Skip some pages).
4. End the tune-in by demonstrating to the children the main activity.
5. Invite the children back to their seats.

Main Activity: (25 minutes)

1. Pair up the children.
2. The activity is as follows:
 - a. Child A will first pull out a card from the deck and paste it on the paper. He/she will then thread the beads on a piece of string. Child B will do the same.
 - b. Both Child A will then count the total number of beads threaded while Child B will count the pictures found on the card. Their answers should tally.
 - c. Should their answers are not the same, they are to check their “working” (counting the pictures or beads). If their answers match, they can write down the total number.
 - d. Both Child A and B will take turns to write the addition sentence.
 - e. Repeat steps 2(a) – 2(d) until time is up.
3. Facilitate by making sure the children are able to do the activity and also helping them to check their answers if their answers are not the same.
4. Inform the children that they are to solve one more question before packing up.

Closure: (10 minutes)

1. Assign one child to collect the materials. The remaining children are to sit in front of the whiteboard while waiting for their friends.
2. Gather the rest of the children back in front of the whiteboard.
3. Recap the main activity with the children.
 - a. Get the children to solve the questions on the whiteboard.
 - b. Ask question(s) such as:
 - i. How many ways can you the make *[number]*?
4. Give the children feedback such as:
 - a. How they are able to solve the questions with minimal help.
 - b. How they are able to help their friends when it comes to threading the beads.
5. Thank the children.

Appendix A

Good Afternoon Song Lyrics

Good afternoon, good afternoon.
Time to see your smiling face.
Good afternoon, good afternoon
To you, K1-A.

Hello teachers, hello friends.
Hello teachers, hello friends.
Good afternoon, good afternoon.
To you, K1-A.

Appendix B

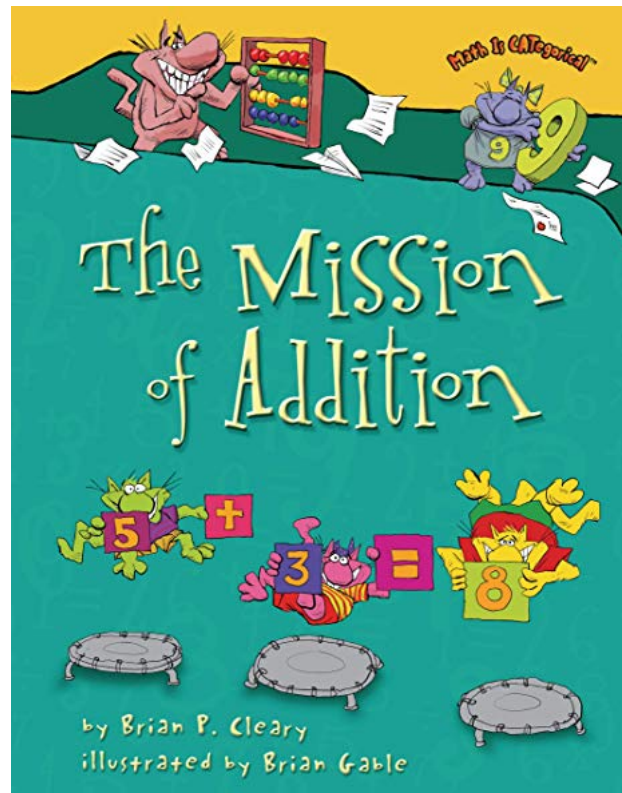
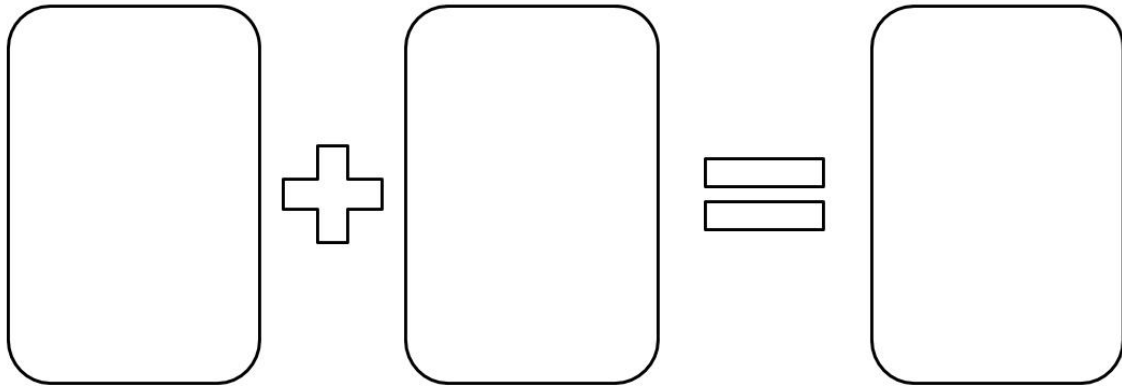


Image taken from: <https://www.amazon.com/Mission-Addition-Math-Categorical/dp/0822566958>

Appendix C



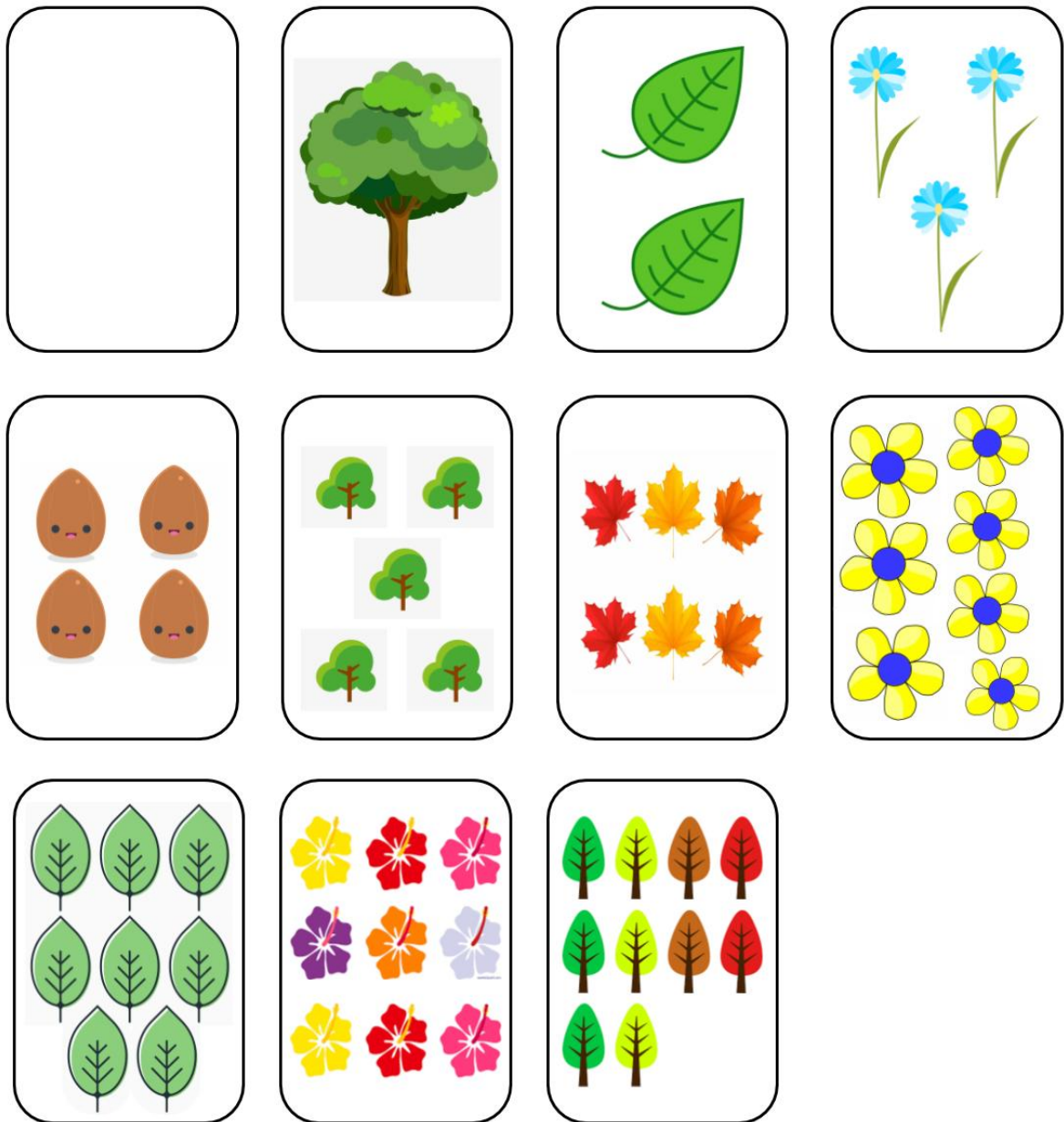
Addition Sentence:

1. _____

2. _____

- It can be printed on plain paper or coloured paper
- It has to be laminated

Appendix D



- 1 set (11 cards) to 1 child

Appendix E



Image taken from <https://www.teachstarter.com/wp-content/uploads/2016/07/Beads-and-cards.png>

- The pipe cleaner will be replaced with string
- The cards will be placed in an envelope
- There will be an additional space below the cards for the children to write the addition sentence (Refer to Appendix C)