



Logic Puzzles

Lesson Plan: Class 02 / PS / 30



Overall goal of the lesson	Children will learn Problem solving skills.
Prior knowledge required	One digit addition/subtraction.

MODULE 1: **Module time:** 35 minutes

Goal:	Puzzles
Description:	Children will learn 2 types of puzzles (Number challenge and Pyramid puzzle) and how to solve them.
Material required:	Physical: <ul style="list-style-type: none">1. One copy of the worksheet per child.2. Writing material to solve the worksheet: pencil and eraser. Electronic: <ul style="list-style-type: none">PPT Presentation
Procedure Summary:	Explain each problem and how to solve them with step wise improvements.
Procedure Details:	<u>Number Challenge:</u> <ul style="list-style-type: none">1. Start with explaining what the problem is:<ul style="list-style-type: none">a. Each number needs to go into the grid with each digit in one square. A normal crossword kind of thing.2. Next, explain how to approach it.<ul style="list-style-type: none">a. We start with digits which have only one number and fill them up.b. This gives us hints for digits which have multiple numbers.c. Using those hints fill up the numbers which and be figured out and repeat. <u>Pyramid Puzzle:</u> <ul style="list-style-type: none">1. Explain the puzzle:<ul style="list-style-type: none">a. One number needs to go in each circle in the pyramid.b. Number in each circle has to be the sum of the 2 circles below it.2. Figure out the numbers<ul style="list-style-type: none">a. either by adding the two number below it.b. or by subtracting adjacent from above one.<ul style="list-style-type: none">i. If kids don't understand subtraction yet this needs to be done by trial and error.c. Start with a circle which has 2 adjoining circles filled.
Assessment:	Answer questions on the activity sheet.