

CALCULATING AND COUNTING RHYMES

Teaching notes

Lesson 2: SOLVING PROBLEMS

16th session: Taking away	
AIMS	<ul style="list-style-type: none"> ● To understand subtraction as taking away and how many more to make... ● To begin to use the vocabulary involved in subtraction in practical activities. ● Use mathematical ideas and methods to solve practical problems. ● To work on social skills.
RESOURCES	<ul style="list-style-type: none"> - A blackboard and chalk or a white board and a white board marker. - A smart board. - 10 pebbles or similar and a box large enough to hide these. - Supplementary material: (bottles_smartboard) (monkeys_smartboard)
GROUPING	<ul style="list-style-type: none"> - Half of the group.
DESCRIPTION OF THE ACTIVITIES	<p>1st activity: Game: Under the box</p> <p>Count the 10 pebbles together and cover them all with a upturned box. Take some from under the box and put them on the top. Ask the children to work out how many are still hidden under the box. To work out the hidden number, hold up the ten finger and fold down as many fingers as pebbles are on the top of the box. Ask the children these questions:</p> <ul style="list-style-type: none"> - How many pebbles did we start with? - How many have I taken out of the box?. - How many are left under the box? <p>Uncover the box and check the answer. Write down the number sentences:</p> <p>Play the game several times and change the questions</p>

	<p>to be asked:</p> <ul style="list-style-type: none"> - There are 5 pebbles on top of the box, how many more do we need to make the total of 10 pebbles? Help them to work out the solution by holding up the same number of fingers than pebbles on the box. Point out that the number of fingers folded down is the same as the number of hidden pebbles. Repeat with other numbers. <p>2nd activity: Let's invent some subtractions. (bottles_subtraction_smartboard) (currant_bun_subtraction_smartboard)</p> <p>Revisit the lyrics of the counting rhyme 'Ten Green Bottles' and play the music to recall the song. Remind the children that the song takes away all the bottles one by one. Using the smart board, children will make subtraction calculations by taking down some bottles and leaving the rest on the wall. Verbalise the situation and write down the number sentences: Eg: -If there are 10 green bottles and three fall, how many will be left? - So, ten take away three equals seven. $10-3=7$</p> <p>Do the same activity using the counting rhyme of the currant buns.</p>
<p>LANGUAGE</p>	<p><i>Key vocabulary:</i></p> <ul style="list-style-type: none"> -Numbers 1-10. - Pebbles, green bottles, currant buns. <p><i>Key phrases needed:</i></p> <ul style="list-style-type: none"> - How many pebbles did we start with? - How many have I taken out of the box? - How many are left under the box? - If there are 10 green bottles and three fall, how many will be left?. - So, ten take away three equals seven. $10-3=7$
<p>SKILLS</p>	<p>Listening and speaking. Mental calculation an social skills.</p>