

CALCULATING AND COUNTING RHYMES

Teaching notes

Lesson 2: SOLVING PROBLEMS

13th session: How many altogether? .

AIMS	<ul style="list-style-type: none"> ● To begin to use the vocabulary involved in adding, in practical activities. ● To begin to record simple mental additions in a number sentence using the + and = signs. ● To work on social skills.
RESOURCES	<ul style="list-style-type: none"> - A computer and a data projector for the power point presentation. - A smart board. - A die, a container and a collection of pebbles or similar. - A white board and a felt-tip pen. - Supplementary material: (addition_dice_ppt) (addition_dice_smartboard)
GROUPING	<ul style="list-style-type: none"> - Half of the group.
DESCRIPTION OF THE ACTIVITIES	<p>1st activity: Game: 'Make five'</p> <p>Sitting in a circle, a pupil rolls the die and puts into the container as many pebbles as the die says. Work out how many do we need to make five. Pass the die to the next pupil to roll to make this quantity. When you get five, explain the mathematical calculation.</p> <p>E.g.</p> <p>First, we roll the die and get a two, we put 2 pebbles in the container. Then we ask the children how many more do we need to make five?. Then, if we get a one, put one pebble in the container and ask how many more do we need to make five?. Roll the die until we get two</p>

	<p>ones or a two. Finally, the teacher writes down the addition. How many did we have at the beginning? How many did we add next? How many do we have altogether?. Any time a child gets a number that can not be calculated to ten, we reject the number and pass the die on.</p> <p>To make the game more difficult you can play 'Make ten'</p> <p>2nd activity:</p> <p>Let's solve some additions (additions_dice_ppt) (additions_dice_smartboard)</p> <p>First, watch the power point presentation to solve some addition calculations. Then, use the smart board to solve more additions</p> <p>Introduce these three different ways of reading the numbers sentences:</p> <ul style="list-style-type: none"> - 3 plus 5 makes 8 altogether. - 3 add 5 is eight. - 3 add 5 equals 8.
LANGUAGE	<p><i>Key vocabulary needed:</i></p> <ul style="list-style-type: none"> - Numbers 1-10 - Die, dice, spots. <p><i>Key phrases needed:</i></p> <ul style="list-style-type: none"> - Roll the dice please! - Well done! - How many pebbles do we have now in the container? - How many more do we need to make ten? - How many altogether? - 3 plus 5 make 8 altogether. - 3 add 5 is eight. - 3 add 5 equals 8.
SKILLS	Listening and speaking. Mental calculation.