

CALCULATING AND COUNTING RHYMES

Teaching notes

Lesson 2: SOLVING PROBLEMS

15th session: 10 Altogether	
AIMS	<ul style="list-style-type: none"> ● To show different pairs with a total of 10. ● To relate addition to combining 2 groups of objects. ● To use the vocabulary involved in adding in practical activities. ● To record simple mental addition calculation in a number sentence using the + and = signs.
RESOURCES	<ul style="list-style-type: none"> - 10 clothes-pegs and a hanger. - Plastic plates. - 10 pebbles or similar. - Some small white boards and white boards markers.
GROUPING	<ul style="list-style-type: none"> - Half of the group.
DESCRIPTION OF THE ACTIVITIES	<p>1st activity: 10 pegs altogether</p> <p>Clip ten pegs onto a wire coat hanger and count the clothes-pegs as you do so. Separate the pegs into two sets e.g. 7 and 3 and ask: how many pegs are at this end? How many pegs are at the other end? Write down the number sentence and turn the coat hanger round. Ask again the same questions and record the new number sentences. Repeat for other addition facts to 10 and record them. Point out that the total is the same because we don't add or take any clothes-peg away.</p> <ul style="list-style-type: none"> - Then cover up two of the pegs with a cloth and ask the children how many have been covered. Work out the solution by holding up the same number of fingers as the pegs showing. Remembering that there were 10 pegs at the beginning so that the number of fingers

	<p>folded down is the same as the number of hidden pegs. Repeat with other numbers.</p> <p>2nd activity: 10 pebbles altogether</p> <p>Provide each pair of children with 2 plastic plates and 10 pebbles. Ask the children them to split the pebbles into two groups and record the number sentences on a white board. Ask for volunteers to read their own sentences.</p>
LANGUAGE	<p><i>Key vocabulary:</i></p> <ul style="list-style-type: none"> - Numbers 1-10 - Coat-hanger and pegs. - Pebbles and plates. <p><i>Key phrases needed:</i></p> <ul style="list-style-type: none"> - How many pegs are at this end? - How many pegs are at the other end? - 5 plus 5 make 10 altogether. - Can I have a volunteer to read a number sentence?
SKILLS	Listening, speaking and writing. Mental calculation.