

Teaching Suggestions for Kids Shine Maths Book 2 and Activity Book 2

Topic	Unit 1: At Home - Let's revise numbers 1 to 10
Content Standard	MA 2.1 Understand numbers 1 to 10.
Learning Standards	MA 2.1.1 State numbers 1 - 10 in sequence. MA 2.1.4 Count objects. MA 2.1.7 Trace numbers.
Integrated Strands	BI 1.2.4; FK 1.1.2, 1.1.3
Teaching Materials	Book 2, Activity Book 2, circles cut from gift paper, sheets of paper with 10 circles drawn on them

Suggested Activities

Book

- Give each child a sheet of paper with 10 circles.
- Then, give each child a stack of 10 circles made of patterned/gift paper. Call out a number from 1 to 10 (e.g. "3") and have children fill the same number of circles on their paper with the circles drawn from the stack.
- Ask the children to remove the circles. Call out another number within 10 (e.g. "5") and repeat. Let children practise counting and covering the correct number of circles on the paper.
- Guide children in doing the activities on page 2 of Book 2

Activity Book

- Guide children in doing the activities on page 2.

Topic	Unit 1: At Home - Numbers in ascending and descending order
Content Standard	MA 2.1 Understand numbers 1 to 10.
Learning Standards	MA 2.1.1 State numbers 1 - 10 in sequence. MA 2.1.8 Count numbers in ascending and descending order.
Integrated Strand	BI 1.2.4
Teaching Materials	Book 2, Activity Book 2, 10 paper fans (labelled '1' to '10')

Suggested Activities

Book

- Shuffle 5 paper fans (each labelled with a different number from 1 to 5). Ask children to line up with the fans in correct ascending order from '1' to '5'.
- Repeat with different number ranges (e.g. from '2' to '6', '4' to '8', '5' to '9').
- Let children also line up with the fans in correct descending order (e.g. from '5' to '1').
- Increase the number of fans (with 6 fans/7 fans/8 fans, etc.) and repeat.
- Guide children in doing the activities on pages 3 and 4 of Book 2.

Activity Book

- Guide children in doing the activities on pages 3 and 4.

Topic	Unit 1: At Home - Number bonds
Content Standard	MA 2.1 Understand numbers 1 to 10.
Learning Standards	MA 2.1.4 Count objects. MA 2.1.7 Trace numbers.
Integrated Strands	BI 3.1.1, 3.1.2; KD 2.1.1, 2.3.1, 2.3.3, 2.3.4
Teaching Materials	Book 2, Activity Book 2
Suggested Activities Book <ul style="list-style-type: none"> • Draw 2 green lamps and 1 yellow lamp. Write ‘2’ and ‘1’ on the board. • Ask children to count all the lamps and write the correct number (i.e. 3). • Say, “2 and 1 make 3.” • Do this activity with other numbers up to 5 (e.g. “How can we make 4?”). • Guide children in doing the activities on pages 5 and 6 of Book 2. Activity Book <ul style="list-style-type: none"> • Guide children in doing the activities on pages 5 and 6. 	

Topic	Unit 2: Mealtimes - Addition within 5
Content Standard	MA 3.1 Solve operation of addition within 18.
Learning Standards	MA 3.1.1 State the sum of two sets of objects. MA 3.1.4 Write and state mathematical expressions using symbols; addition (+) and equal (=). MA 3.1.5 Add in the range of basic facts.
Integrated Strands	BI 1.2.4; FK 1.1.2, 1.1.3; KD 2.3.1, 2.3.3
Teaching Materials	Book 2, Activity Book 2, building blocks
Suggested Activities Book <ul style="list-style-type: none"> • Place 1 block on the table. Count out with the children, “1.” • Place another block on the table. Count out with the children, “1.” • Stack the second block on the first one. Ask, “1 and 1 make how many?” • Have children count the blocks in the stack and say how many (Answer: 2). Say, together, “1 and 1 make 2.” • Add other numbers of blocks in this way (e.g. “2 and 2 make 4”; “2 and 3 make 5”). • Then, replace the word “and” with the plus sign and the word “make” with the equals sign. Say, e.g. “To write a number sentence, we use the plus and equals signs. We write, ‘1 + 1 = 2’.” Let children practise writing the number sentences on the board. • Guide children in doing the activities on pages 7–10 of Book 2. Activity Book <ul style="list-style-type: none"> • Guide children in doing the activities on pages 7–10. 	

Topic	Unit 2: Mealtimes - Subtraction within 5
Content Standard	MA 3.2 Solve operation of subtraction within 18.
Learning Standards	MA 3.2.1 Remove objects from a group of objects and count the balance. MA 3.2.3 Write and state mathematical expressions using symbols; subtraction (-) and the equal (=). MA 3.2.4 Subtract in the range of basic facts.
Integrated Strands	BI 1.2.6, 2.3.4, 2.3.5; KE 2.1.2; FK 2.2.1
Teaching Materials	Book 2, Activity Book 2
Suggested Activities Book <ul style="list-style-type: none"> Act out the rhyme ‘Five Little Monkeys’ in groups of 5: “Five little monkeys jumping on the bed; One fell off and bumped his head; Mama called the doctor and the doctor said, ‘No more monkeys jumping on the bed!’” Write ‘5 take away 1’ on the board. Ask children to count the number of little monkeys still left on the bed (answer: “4”). Write equals 4 on the board so that the sentence now reads, ‘5 take away 1 equals 4.’ Try this activity with other numbers of little monkeys that fell off and bumped their heads (e.g. ‘5 take away 3 equals 2.’). Then, say, “To write a number sentence, we use the minus and equals signs. We write, ‘5 - 1 = 4’.” Let children practise writing the number sentences on the board. Guide children in doing the activities on pages 11–14 of Book 2. Activity Book <ul style="list-style-type: none"> Guide children in doing the activities on pages 11–14. 	

Topic	Unit 3: A Walk in the Park – Number 11
Content Standards	MA 2.1 Understand numbers 1-10. MA 2.3 Understand numbers 11 to 20.
Learning Standards	MA 2.1.4 Count objects. MA 2.3.1 Count on from 11 to 20. MA 2.3.2 Compare: (i) 11 and 12 (12 is 1 more than 11) (ii) 12 and 13 (13 is 1 more than 12), and so on. MA 2.3.3 Write numbers 11 to 20.
Integrated Strands	BI 1.2.4; KD 2.1.1
Teaching Materials	Book 2, Activity Book 2, ping-pong balls, empty egg carton, pointer, marker pens and toy blocks
Suggested Activities Book <ul style="list-style-type: none"> Show children an egg carton with 10 ping-pong balls. Ask them to count out the balls. Add another ping-pong ball to the egg carton. Write the number sentence ‘10 + 1 = 11’ on the board. Have children take turns reading out the sentence, using a pointer to tap on each component. Now, mix up various objects for counting (ping-pong balls, marker pens, toy blocks). Let children take turns finding 11 of the same type and counting them out in the egg carton. Guide children in doing the activities on page 15 of Book 2. Activity Book <ul style="list-style-type: none"> Guide children in doing the activities on page 15. 	