

## Teaching Suggestions for Kids Shine Maths Book 4 and Activity Book 4

<b>Topic</b>	Unit 1: Around Town – Let’s revise numbers 1 to 30
<b>Content Standard</b>	MA 2.1 Understand numbers 1 to 10.
<b>Learning Standards</b>	MA 2.1.8 Count numbers in ascending and descending order. MA 2.1.10 Write numbers correctly.
<b>Integrated Strands</b>	BI 1.2.4; SA 2.2.1 (ii)
<b>Teaching Materials</b>	Book 4, Activity Book 4, shape cards, some plasticine
<b>Suggested Activities</b>	
<b>Book</b>	
<ul style="list-style-type: none"> <li>• Call out a number from 1 to 30 (e.g. “19”, “23”, “25”). Children draw the same number of shape cards (19 circles, 23 triangles, etc.) from a stack of 30 and stick them on the board (using plasticine).</li> <li>• Put all 30 shape cards up on the board. Have children take down extra cards to make a number you call out.</li> <li>• Guide children in doing the activities on page 2 of Book 4.</li> </ul>	
<b>Activity Book</b>	
<ul style="list-style-type: none"> <li>• Guide children in doing the activities on page 2.</li> </ul>	

<b>Topic</b>	Unit 1: Around Town - Numbers 31 to 35
<b>Content Standard</b>	MA 2.1 Understand numbers 1 to 10.
<b>Learning Standards</b>	MA 2.1.4 Count objects. MA 2.1.5 Use shapes like dots to represent number of objects.
<b>Integrated Strands</b>	KE 3.3.4; KD 3.2.2, 3.2.3; SA 2.2.1 (i), 2.6.1
<b>Teaching Materials</b>	Book 4, Activity Book 4, building blocks (in 2 different colours)
<b>Suggested Activities</b>	
<b>Book</b>	
<ul style="list-style-type: none"> <li>• Count out 30 building blocks of the same colour (e.g. green) and make a building.</li> <li>• Add 1 block of another colour (e.g. blue) to the building. Count up to 31.</li> <li>• Continue adding a blue block to the building and counting on to 35.</li> <li>• Guide children in doing the activities on page 3 of Book 4.</li> </ul>	
<b>Activity Book</b>	
<ul style="list-style-type: none"> <li>• Guide children in doing the activities on page 3.</li> </ul>	

<b>Topic</b>	Unit 1: Around Town - Numbers 36 to 40
<b>Content Standard</b>	MA 2.1 Understand numbers 1 to 10.
<b>Learning Standards</b>	MA 2.1.4 Count objects. MA 2.1.5 Use shapes like dots to represent number of objects.
<b>Integrated Strands</b>	KE 3.2.2, 3.3.1, 3.3.4; KD 3.2.2; SA 2.6.1, 3.3.1, 3.3.2
<b>Teaching Materials</b>	Book 4, Activity Book 4, plastic tray, cotton buds, plasticine

**Suggested Activities****Book**

- Count out 30 cotton buds onto a plastic tray together. Then, knead a plasticine ball (the size of your fist).
- Stick the cotton buds into the plasticine ball to make “quills all over a porcupine”.
- Add 10 more cotton buds or “quills on the porcupine” and count up to 40.
- Finally, add 2 eyes and a nose for the porcupine (using more plasticine).
- Guide children in doing the activities on page 4 of Book 4.

**Activity Book**

- Guide children in doing the activities on page 4.

<b>Topic</b>	Unit 1: Around Town – Let’s revise numbers 1 to 40
<b>Content Standard</b>	MA 2.1 Understand numbers 1 to 10.
<b>Learning Standards</b>	MA 2.1.4 Count objects. MA 2.1.8 Count numbers in ascending and descending order. MA 2.1.10 Write numbers correctly.
<b>Integrated Strands</b>	BI 1.3.1, 1.3.4, 1.3.6; KE 2.1.1; KD 3.2.2; SA 3.4.1
<b>Teaching Materials</b>	Book 4, Activity Book 4, cut-outs of flowers, tape, straws, baskets
<b>Suggested Activities</b>	
<b>Book</b>	
<ul style="list-style-type: none"> <li>• Tape cut-outs of flowers onto straws to make 40 ‘flowers on stems’.</li> <li>• Role-play shopping for flowers at a flower shop: Call out a number from 1 to 40 (e.g. “34”, “29”, “16”) and let children count the correct number of flowers into their baskets.</li> <li>• Guide children in doing the activities on page 5 of Book 4.</li> </ul>	
<b>Activity Book</b>	
<ul style="list-style-type: none"> <li>• Guide children in doing the activities on page 5.</li> </ul>	

<b>Topic</b>	Unit 2: Going Shopping - Addition within 40
<b>Content Standard</b>	MA 3.1 Solve operation of addition within 18.
<b>Learning Standard</b>	MA 3.1.1 State the sum of two sets of objects.
<b>Integrated Strands</b>	BI 3.1.3; KE 3.3.3; KD 2.3.1, 2.3.3
<b>Teaching Materials</b>	Book 4, Activity Book 4, stickers, colour paper (in various sizes)
<b>Suggested Activities</b>	
<b>Book</b>	
<ul style="list-style-type: none"> <li>• Let children fold paper fans of different sizes (using colour paper in various sizes).</li> <li>• Then, decorate a fan with a number of stickers (e.g. 20 stickers).</li> <li>• Ask the children, “How many is 20 plus 13?” and let them stick on 13 more stickers.</li> <li>• Count all the stickers on the fan and complete the number sentence with the answer: <math>20 + 13 = 33</math>.</li> <li>• Repeat, until children are confident with adding different numbers.</li> <li>• Guide children in doing the activities on pages 6 and 7 of Book 4.</li> </ul>	
<b>Activity Book</b>	
<ul style="list-style-type: none"> <li>• Guide children in doing the activities on pages 6 and 7.</li> </ul>	

<b>Topic</b>	Unit 2: Going Shopping - Subtraction within 40
<b>Content Standard</b>	MA 3.2 Solve operation of subtraction within 18.
<b>Learning Standard</b>	MA 3.2.1 Remove objects from a group of objects and count the balance.
<b>Integrated Strands</b>	BI 3.2.7; KD 2.3.1, 2.3.3; SA 2.6.2, 2.6.3
<b>Teaching Materials</b>	Book 4, Activity Book 4, shopping basket, items for counting
<b>Suggested Activities</b>	
<b>Book</b>	
<ul style="list-style-type: none"> <li>• Set an empty shopping basket on the table. Write '32' on the board and have children count 32 items (from a larger pile of 40) into the basket.</li> <li>• Then, take 8 items out of the basket. Write '- 8' on the board so that the phrase now reads, '32 - 8'. Ask, "How many is 32 minus 8?" and let children count the items left inside the basket.</li> <li>• Complete the number sentence with their answer, '32 - 8 = 24'.</li> <li>• Repeat with other numbers for subtracting (e.g. 36 - 17, 29 - 8, 16 - 11).</li> <li>• Guide children in doing the activities on pages 8 and 9 of Book 4.</li> </ul>	
<b>Activity Book</b>	
<ul style="list-style-type: none"> <li>• Guide children in doing the activities on pages 8 and 9.</li> </ul>	

<b>Topic</b>	Unit 3: To the Zoo - Numbers 41 to 45
<b>Content Standard</b>	MA 2.1 Understand the numbers 1 to 10.
<b>Learning Standards</b>	MA 2.1.4 Count objects. MA 2.1.5 Use shapes like dots to represent number of objects.
<b>Integrated Strands</b>	KE 3.3.1, 3.3.2; FK 1.1.2; SA 3.4.3
<b>Teaching Materials</b>	Book 4, Activity Book 4, purple and green colour paper, art paper, glue sticks
<b>Suggested Activities</b>	
<b>Book</b>	
<ul style="list-style-type: none"> <li>• Make 40 colour paper balls: Have children crush purple and green colour paper into balls using their hands.</li> <li>• Then, guide the children in gluing the paper balls onto art paper (using glue sticks) to form 'a bunch of 40 grapes'.</li> <li>• Make 5 more paper balls and add them to the bunch. Count on from 40 to 45.</li> <li>• Guide children in doing the activities on page 10 of Book 4.</li> </ul>	
<b>Activity Book</b>	
<ul style="list-style-type: none"> <li>• Guide children in doing the activities on page 10.</li> </ul>	

<b>Topic</b>	Unit 3: To the Zoo - Numbers 46 to 50
<b>Content Standard</b>	MA 2.1 Understand numbers 1 to 10.
<b>Learning Standards</b>	MA 2.1.4 Count objects. MA 2.1.5 Use shapes like dots to represent number of objects.
<b>Integrated Strands</b>	KD 3.2.2, 3.2.3; SA 2.2.1 (ii)
<b>Teaching Materials</b>	Book 4, Activity Book 4, colourful paper stars, chalk, box