

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

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| Topic | Unit 1: Around Town – Let’s revise numbers 1 to 30 |
| Content Standard | MA 2.1 Understand numbers 1 to 10. |
| Learning Standards | MA 2.1.8 Count numbers in ascending and descending order. MA 2.1.10 Write numbers correctly. |
| Integrated Strands | BI 1.2.4; SA 2.2.1 (ii) |
| Teaching Materials | Book 4, Activity Book 4, shape cards, some plasticine |
| Suggested Activities Book <ul style="list-style-type: none"> • 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). • Put all 30 shape cards up on the board. Have children take down extra cards to make a number you call out. • Guide children in doing the activities on page 2 of Book 4. Activity Book <ul style="list-style-type: none"> • Guide children in doing the activities on page 2. | |

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

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| Topic | Unit 1: Around Town - Numbers 36 to 40 |
| Content Standard | MA 2.1 Understand numbers 1 to 10. |
| Learning Standards | MA 2.1.4 Count objects. MA 2.1.5 Use shapes like dots to represent number of objects. |
| Integrated Strands | KE 3.2.2, 3.3.1, 3.3.4; KD 3.2.2; SA 2.6.1, 3.3.1, 3.3.2 |
| Teaching Materials | 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.

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| Topic | Unit 1: Around Town – Let’s revise numbers 1 to 40 |
| Content Standard | MA 2.1 Understand numbers 1 to 10. |
| Learning Standards | MA 2.1.4 Count objects. MA 2.1.8 Count numbers in ascending and descending order. MA 2.1.10 Write numbers correctly. |
| Integrated Strands | BI 1.3.1, 1.3.4, 1.3.6; KE 2.1.1; KD 3.2.2; SA 3.4.1 |
| Teaching Materials | Book 4, Activity Book 4, cut-outs of flowers, tape, straws, baskets |
| Suggested Activities Book <ul style="list-style-type: none"> • Tape cut-outs of flowers onto straws to make 40 ‘flowers on stems’. • 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. • Guide children in doing the activities on page 5 of Book 4. Activity Book <ul style="list-style-type: none"> • Guide children in doing the activities on page 5. | |

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

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| Topic | Unit 2: Going Shopping - Subtraction within 40 |
| Content Standard | MA 3.2 Solve operation of subtraction within 18. |
| Learning Standard | MA 3.2.1 Remove objects from a group of objects and count the balance. |
| Integrated Strands | BI 3.2.7; KD 2.3.1, 2.3.3; SA 2.6.2, 2.6.3 |
| Teaching Materials | Book 4, Activity Book 4, shopping basket, items for counting |
| Suggested Activities Book <ul style="list-style-type: none"> 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. 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. Complete the number sentence with their answer, '32 - 8 = 24'. Repeat with other numbers for subtracting (e.g. 36 - 17, 29 - 8, 16 - 11). Guide children in doing the activities on pages 8 and 9 of Book 4. Activity Book <ul style="list-style-type: none"> Guide children in doing the activities on pages 8 and 9. | |

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

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