Cluster 2
K.V. Hebbal,
K.V. IISc,
K.V. No.1 Jalahalli,
K.V. No.2 Jalahalli,
K.V. Malleswaram

MATH MAGIC
BOOK 2

Worksheets Planned For the Year 2011-12
INTRODUCTION

The word mathematics often brings frown on the face of children. They feel jittery to learn with numbers. To erase this perception of mathematics and to make it a joyful learning experience this workbook is brought out. This edition of the workbook is prepared specially to develop interest among children to learn mathematics without the feeling of burden (Generous Joy NCF 2005).

The following are the highlights of this workbook:

- Readiness exercises
- Child-centered Activities
- Exercises designed especially for the development of understanding, computation and problem-solving skills.
- Strengthening of the learning process though team/group based activities.

The activities in this book aim to fortify the concepts learnt by the child in class and encourage the child to think laterally by approaching each concept from different perspectives. The exercises have been carefully designed and arranged to enable the child to work them out individually.

I trust this workbook will prove beneficial to students, teachers and parents as well.

ACKNOWLEDGEMENT

We thank the Principal, Headmistress and Teachers of K.V. Hebbal for their guidance, support and co-operation. It is their encouragement that made it possible to bring out this workbook to reach out to the children of all the KV’s included in cluster 2.
WORK BOOK IN MATHEMATICS (2011-12)

Class 2

This book belongs to

Name

School

Paste your photo in the box:
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<td></td>
<td>Birds come, birds go</td>
<td>1 – 2</td>
<td>53 – 54</td>
</tr>
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</table>
Topic: What is Long, What is round

WORK SHEET No. 1

Competency: Understanding basic Concepts

Competency: Understanding Basic Concepts

1. Draw and colour 5 long and 5 round objects:

<p>| | | | | |</p>
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</thead>
</table>

Teacher’s Signature                                      Parent’s Signature
WORK SHEET NO. 3

Date __________
Month __________

Competency: Understanding Basic Concepts

1. Draw, colour and name 5 objects that roll and 5 objects that slide:

Rolls:

Slides:

Teacher’s signature
Parent’s signature
## WORK SHEET NO. 4

**Date__________**  
**Month_________**  

**Competency: Understanding Basic Concepts**

1. **Draw colour and name six objects that can both roll and slide:**

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</table>

**Teacher’s Signature**  
**Parent’s Signature**
Topic: Counting in Groups

Competency: Ability to Compute

1. Counting by two’s write numbers starting from:

2      _____      _____      _____      _____

40     _____      _____      _____      _____

85     _____      _____      _____      _____

2. Counting by three’s write numbers starting from:

3      _____      _____      _____      _____

29     _____      _____      _____      _____

57     _____      _____      _____      _____

3. Counting by five’s write numbers starting from:

5      _____      _____      _____      _____

50     _____      _____      _____      _____

61     _____      _____      _____      _____

Teacher’s signature
Parent’s signature
WORK SHEET NO. 2
Date__________
Month_________

Competency: Understanding Basic Concepts:

1. Guess and write the number

apples

pair of scissors

pair of dice

bangles

Teacher’s signature  Parent’s signature
WORK SHEET NO. 3

Date__________
Month_________

Competency: Ability to Compute

1. Count the following and fill in the blanks:

   beads

   How many in each group?  
   Guess the total number of spoons  

Teacher’s signature  
Parent’s signature

12
Topic: How much can you carry?  

DATE__________  

WORK SHEET No. 1  

MOnTH_________  

COMPETENCY: Understanding Basic Concepts  

1. Colour the one which is lighter.  

[Images of objects to be colored]  

2. Colour the one which is heavier.  

[Images of objects to be colored]  

TEACHER’S SIGNATURE  

PARENT’S SIGNATURE
Competency: Understanding Basic Concepts

1. Draw and colour four pairs of objects of your choice – one heavy and one light.
WORK SHEET NO. 3

Date__________
Month_________

Competency: Understanding Basic Concepts

1. Fill in the blanks using the word lighter or heavier:
   a. A football is ____________ than a pen.
   b. A pillow is __________ than a mattress.
   c. An orange is ___________ than a watermelon.
   d. A cricket ball __________ than a marble.
   e. A coat is ___________ than a shirt
   f. A balloon is ___________ than a book.
   g. A pen is ___________ than a feather.
   h. A wheel is __________ than a button
   i. A needle is ___________ than a sword.
   j. A school bag is __________ than a pencil box.

Teacher’s signature
Parent’s signature
Competency: Understanding Basic Concepts

1. Which of the things will make the see-saw go up and go down? Write the correct number in the box.

Teacher’s signature

Parent’s signature
Topic: Counting in Tens

WORK SHEET No. 1

Competency : Ability To Compute:

1. Count and fill in the blanks

   +

   +

   +

   +

Teacher’s signature

Parent’s signature
WORK SHEET NO. 2

Date__________
Month_________

Competency: Understanding Basic Concepts

1. Study the figures and answer the questions that follow:

![Image of leaves]

a. How many bunch of ten leaves are there? ____________
b. How many leaves are there in each bunch? ____________
c. How many leaves are outside the bunch? ____________
d. How many leaves are there in all? ____________
e. How many leaves will 3 bunches have? ____________

Teacher’s signature

Parent’s signature
WORK SHEET NO. 3

Date__________
Month_________

Competency: Understanding Basic Concepts

1. Arrange 80 bindis in any pattern you like in group of tens in the space provided:

Teacher’s Signature

Parent’s Signature
COMPETENCY: UNDERSTANDING BASIC CONCEPTS

1. Draw and colour necklaces, using 46 beads. If each necklace has 10 beads, how many beads are left?

Teacher’s Signature

Parent’s Signature
Topic: Patterns

WORK SHEET No. 1

Competency: Understanding Basic Concepts

1. Draw patterns using your thumb print.

Teacher’s signature

Parent’s signature
WORK SHEET NO. 2

Date__________
Month_________

Competency: Understanding Basic Concepts

1. Draw patterns using vegetable print:

Teacher’s Signature

Parent’s Signature
WORK SHEET NO. 3

Date__________
Month_________

Competency: Understanding Basic Concepts

1. Draw patterns using different shapes.

Teacher’s signature

Parent’s signature
Competency: Understanding Basic Concepts

1. Read and write what comes next:

<p>| | | | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AB</td>
<td>CD</td>
<td>EF</td>
<td></td>
<td></td>
</tr>
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<td>5</td>
<td>10</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>19</td>
<td>18</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1A</td>
<td>2B</td>
<td>3C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td>9</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Teacher’s signature
Parent’s signature
Topic: FootPrints

WORK SHEET No. 1

Competency: Understanding Basic Concepts

1. Match these animals with their footprints:

2. Match the tracings with these objects:

Teacher’s signature

Parent’s signature
WORK SHEET NO. 2

Date__________
Month_________

Competency: Understanding Basic Concepts

1. Count these shapes:

   □
   □
   □
   □
   □
   □
   □
   □
   □
   □
   □
   □
   □
   □

Teacher’s signature

Parent’s signature
WORK SHEET NO. 3

Date__________
Month_________

**Competency: Understanding Basic Concepts**

1. Write the names of the things you can find with these shapes.

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Circle</td>
<td>Rectangle</td>
<td>Triangle</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
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</tbody>
</table>

Teacher’s signature  
Parent’s signature
WORK SHEET NO. 4

Competency: Understanding Basic Concepts

1. Fill in the boxes.

<table>
<thead>
<tr>
<th>SHAPES</th>
<th>FACES</th>
<th>EDGES</th>
<th>CORNERS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cuboid</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cube</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cylinder</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sphere</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Draw and colour a cuboid, a cube, a cylinder, a cone and a sphere.

Teacher’s signature

Parent’s signature
Topic: Jugs and Mugs

WORK SHEET No. 1

Competency: Understanding Basic Concepts

1. Encircle the objects that can be used to measure capacity.

Teacher’s signature

Parent’s signature
WORK SHEET NO. 2

Date__________
Month_________

Competency: Understanding Basic Concepts

1. Encircle the object which has more capacity.

Teacher’s signature

Parent’s signature
Competency: Understanding Basic Concepts

1. Arrange the following objects in order of increasing capacity. Write numbers 1, 2, 3 under them:
WORK SHEET NO. 4

Date__________
Month_________

Competency: Ability To Compute

1. Fill in the blanks appropriately:

1. To make __________ of lemon drink we need ______ lemon.

For __________ of lemon drink
We need ______________________ lemons.

2. We need ______________________ glasses to fill ________.

Teacher’s signature

Parent’s signature
Topic: Tens and Ones

WORK SHEET No. 1

Competency: Understanding Basic Concepts:

1. Count and write the numbers.

   = ______________________

   + ______________________

   = ______________________
WORK SHEET NO. 2  
Date__________  
Month_________  

Competency: Ability To Compute:  

1. How much money do the notes and coins make, count and write.

= _____________  

= ______________  

= ______________  

Teacher’s signature  
Parent’s signature
WORK SHEET NO. 3

Date__________
Month_________

Competency: Ability to Compute

1. Fill in the blanks :

1). 36 = ____ + 6

2). ____ = 40 + 9

3). 70 + _____ = 71

4).____ + 4 = 64

5). 80 + 2 = ______

6).90 + ____ = ______

7) 68 + 5 = __________

Teacher’s signature

Parent’s signature
Competency: Problem Solving Ability

1. There are 48 students in your class. How many teams of ten students each can you make?

Solution-

2. A basket has 57 flowers. How many garlands of ten flowers each can you make? How many flowers are left?

Solution-
Topic: My Funday

WORK SHEET No. 1

Date__________
Month________

Competency: Understanding Basic Concepts:

1. A year has 12 months. Write the names of the months and also the number of days in each month:

   
   JANUARY
   31

2. a) What is the day 7 days after Monday? ____________

   b) What is the day 3 days after Thursday? ____________

   c) If today is Friday, which day would be day after tomorrow? ____________________
   And which day was yesterday? ____________________

Teacher’s signature

Parent’s signature
WORK SHEET NO. 2

Date__________
Month________

Competency: Formation Of Numbers:

1. Answer the given questions:
   a) How many days are there in a week?
      ___________________________________________________
   b) How many months are there in an year?
      ___________________________________________________
   c) How many days are there in an year?
      ___________________________________________________

2. 😊 Here’s a story for you:
   King John had seven daughters. He named them after the names of the days of a week.
   What were King John’s daughter’s names?
   ___________________  ___________________  ___________________.
   ___________________  ___________________  ___________________.
   ___________________.
   After some years, he had five more daughters. He wanted to give names to all his daughters such that it would be easy for all to remember their names. He had a clever Minister in his court. He suggested the King to name them after the months of an year as per their age. The King was very happy with this idea and he named his daughters as the Minister suggested.
   Write the names of the all the daughters of King John?
   ___________, ___________, ___________, ___________, ___________,
   ___________, ___________, ___________, ___________, ___________,
   ___________, ___________.

Teacher’s signature

Parent’s signature
WORK SHEET NO. 3

Date__________
Month__________

Competency: Understanding Basic Concepts

1. Given below is a timetable of Class-II:

<table>
<thead>
<tr>
<th></th>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
<th>SATURDAY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>MATHS</td>
<td>MATHS</td>
<td>MPT</td>
<td>MATHS</td>
<td>MATHS</td>
<td>MATHS</td>
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<tr>
<td>2</td>
<td>MATHS</td>
<td>MATHS</td>
<td>MATHS</td>
<td>MATHS</td>
<td>EVS</td>
<td>ENG</td>
</tr>
<tr>
<td>3</td>
<td>GAMES</td>
<td>GAMES</td>
<td>HINDI</td>
<td>GAMES</td>
<td>GAMES</td>
<td>MUSIC</td>
</tr>
<tr>
<td>4</td>
<td>ENG</td>
<td>ENG</td>
<td>GAMES</td>
<td>ENG</td>
<td>HINDI</td>
<td>LIB</td>
</tr>
<tr>
<td>5</td>
<td>HINDI</td>
<td>HINDI</td>
<td>EVS</td>
<td>WE</td>
<td>ART</td>
<td>MATHS</td>
</tr>
<tr>
<td>6</td>
<td>MUSIC</td>
<td>EVS</td>
<td>ENG</td>
<td>HINDI</td>
<td>HINDI</td>
<td>EVS</td>
</tr>
<tr>
<td>7</td>
<td>HINDI</td>
<td>HINDI</td>
<td>ENG</td>
<td>EVS</td>
<td>CCA</td>
<td>ENG</td>
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<tr>
<td>8</td>
<td>EVS</td>
<td>EVS</td>
<td>LIB</td>
<td>EVS</td>
<td>CCA</td>
<td>HINDI</td>
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<tr>
<td>9</td>
<td>ENG</td>
<td>ENG</td>
<td>LIB</td>
<td>MATHS</td>
<td>ENG</td>
<td>GAMES</td>
</tr>
</tbody>
</table>

Look at the time-table given above and answer the given question:

a) On which days does the class has Games? ______________

_________________________________________________________

b) How many Games period are there in all? ___________

c) On which days do the students enjoy Art? ____________

_________________________________________________________

d) Suhaas enjoys the Music periods. Which are the days he tries not to be absent in the School?

_________________________________________________________

e) How many Maths periods are there for Class –II as per the given time – table? ______________

Teacher’s signature  Parent’s signature
COMPETENCY: Understanding Basic Concepts

1. Look at the Calendar and answer the questions given below:

   a) On which day does your birthday fall in 2011? _______________
   b) On which day is the New Year’s Day in 2011? _______________
   c) Which months have five Sundays in 2011? ____________________
   d) Which month has least number of days? _________________
   e) On which day is 15th August'2011? ________________
   f) On which day will you celebrate Children’s Day in 2011? ________

Teacher’s signature  Parent’s signature
Topic: Add our Points

WORK SHEET No. 1

Competency: Ability to Compute

1. How fast can you add?

1. \[7 + 6 + 3 = \square\]

2. \[6 + 2 + 4 = \square\]

3. \[9 + 1 + 9 = \square\]

4. \[8 + 7 + 2 = \square\]

5. \[3 + 8 + 7 = \square\]

2. Think and write the correct number in the boxes:

1. \[15 + 8 = \square\]  

2. \[19 + 13 = \square\]  

3. \[16 + 10 = \square\]  

4. \[\square + 5 = 26\]

5. \[25 + \square = 32\]

6. \[\square + 12 = 22\]

Teacher’s signature  
Parent’s signature
WORK SHEET NO. 2

Date__________
Month_________

Competency: Problem Solving Ability:

1. Fill in the circles by adding the numbers given in the circles across and down:

\[
\begin{array}{ccc}
6 & & 8 \\
& 5 & \\
& & 2 \\
\end{array}
\]

From your results, find the sum of the largest number and the smallest number in the grid.

Teacher’s signature

Parent’s signature
WORK SHEET NO. 3

Date__________
Month_________

Competency: Understanding Basic Concepts

Fill in the missing numbers in the table:

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<td>8</td>
<td>11</td>
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<td>13</td>
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<td>19</td>
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</tbody>
</table>

Fill in the missing numbers.

Teacher’s Signature

Parent’s Signature
Topic: Lines and Lines

WORK SHEET No. 1

Competency: Understanding Basic Concepts

1. Draw the digital numbers.

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</tbody>
</table>

2. Write your name using digital alphabets.

Teacher’s signature   Parent’s signature
WORK SHEET NO. 2

Date__________
Month_________

Competency: Understanding Basic Concepts

1. Colour the standing lines red, slanting lines green and curved lines blue. Fill in the design with other colours of your choice.

Teacher’s signature

Parent’s signature
WORK SHEET NO. 3

Competency: Understanding Basic Concepts

1. Draw a 15 X 15 grid of dots. Join the dots with curved or straight lines and make a rangoli design. Colour the design.

2. Draw five figures using sleeping, standing, slanting and curved lines. Colour them of your choice.

Teacher’s signature

Parent’s signature
47

Topic: Give and Take

WORK SHEET No. 1

Competency: Understanding Basic Concepts

1. Show the addition by drawing necklace of 10 beads and loose beads.

15

+26

——

23

+ 12

——

Teacher’s signature

Parent’s signature
Competency: Understanding Basic Concepts

1. Show the subtraction by drawing necklace of 10 beads and loose beads.

\[
\begin{align*}
34 & \quad - \quad 17 \\
\ &= \quad \_\_\_\_\_
\end{align*}
\]

\[
\begin{align*}
20 & \quad - \quad 16 \\
\ &= \quad \_\_\_\_\_
\end{align*}
\]
1. Sneha has 12 dolls. Her uncle gifted her 14 dolls more. How many dolls does Sneha have now?

2. Ramu sold his cricket bat for Rs. 65. He also sold his cricket ball for Rs. 37. How much money does Ramu have now?
1. There were 36 eggs in a basket. Rajani dropped the basket and 17 eggs were broken. How many unbroken eggs are left in the basket?

2. Somu’s mother gave him Rs. 90 for lunch. He ate one Dosa for Rs.35. How much money should he give back to his mother?
Topic: The Longest Step

Competency: Understanding Basic Concepts

1. Find the length of the following using fingers, foot and handspan:

   a) Your table - _________ handspans
   b) Your Pencilbox - _________ fingers
   c) Your nose - _________ fingers
   d) Your friend’s forehead - _________ fingers
   e) Your water bottle - _________ handspans
   f) Your teacher’s table - _________ handspans
   g) The blackboard of your classroom - _________ handspans
   h) The length of your classroom - _________ foot
   i) Width of the corridor in front of your classroom- _________ foot
   j) Length of the assembly stage of your school- _________ foot
   k) Length of your Mathematics textbook- _________ fingers
WORK SHEET NO. 2

Date__________
Month_________

Competency: Problem Solving Ability

Do as directed:

1. Draw a tree 2 fingers away on the left of the hut.
2. Draw a pond 4 fingers away behind the hut.
3. Draw two mountains 2 fingers away from the pond.
4. Draw a bird 1 finger away on the top of the tree.
5. Draw a garden 3 fingers away in front of the hut.

Teacher’s signature  Parent’s signature
Topic: Birds come, Birds go

WORK SHEET No. 1

Competency: Ability To Compute:

1. Find the answer:

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td>78</td>
<td>39</td>
<td>64</td>
</tr>
<tr>
<td>+ 18</td>
<td>+ 14</td>
<td>- 17</td>
<td>- 37</td>
</tr>
<tr>
<td>90</td>
<td>63</td>
<td>44</td>
<td>29</td>
</tr>
<tr>
<td>- 46</td>
<td>+29</td>
<td>- 29</td>
<td>+ 45</td>
</tr>
</tbody>
</table>

Teacher’s signature                                  Parent’s signature
WORK SHEET NO. 2

Date__________
Month_________

Competency: Problem Solving Ability

Complete the word problems:

1. Near a lake, there were 42 cranes and 27 swans. What is the total number of swans and cranes?

The total number of swans and cranes is ________.

2. Squikoo squirrel can eat 25 nuts in a week. Geeko squirrel can eat 36 nuts in a week. Who eats more nuts and by how much?

___________ eats _______ nuts.

3. Rohit is 34 years old. Sumit is 26 years old. How many years older is Rohit?

Rohit is ______ years older than Sumit.

Teacher’s signature

Parent’s signature
Competency: Problem Solving

1. Look at the charts given below and answer the given questions:

1. | Item       | How many children in the school like it |
    |-----------|----------------------------------------|
    | Red Balls | 35                                     |
    | Blue Balls| 87                                     |
    | Green Balls| 64                                     |
    | White Balls| 37                                     |
    | Black Balls| 93                                     |

a) Which colour ball is liked the most? __________
b) Which colour ball is liked the least? __________

2. | Vehicle   | How many children in the class come by |
    |-----------|----------------------------------------|
    | School Bus| 47                                     |
    | Van       | 39                                     |
    | Auto      | 13                                     |
    | Motorcycle| 84                                     |
    | Cycle     | 63                                     |

a) How many children come to School by Auto? ________

b) Which vehicle is preferred more—School Bus or Van? ________
c) How many children in all come to School by Motorcycle and Auto?_________

<table>
<thead>
<tr>
<th>Vegetables</th>
<th>How many children in the class II like</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tomato</td>
<td>98</td>
</tr>
<tr>
<td>Potato</td>
<td>89</td>
</tr>
<tr>
<td>Onion</td>
<td>67</td>
</tr>
<tr>
<td>Pumpkin</td>
<td>43</td>
</tr>
<tr>
<td>Spinach</td>
<td>73</td>
</tr>
</tbody>
</table>

a) Which vegetable is liked the least?__________

b) Which vegetable is liked more - Tomato or Potato? And by how much? __________

c) Which Vegetable is liked the most? ________________________
WORK SHEET NO. 2

Date__________
Month_________

Competency: Problem Solving Ability

1. Ask your friends which subject they like the most and write in the box given below.

<table>
<thead>
<tr>
<th>Subject</th>
<th>How many children in the class like it</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENGLISH</td>
<td></td>
</tr>
<tr>
<td>HINDI</td>
<td></td>
</tr>
<tr>
<td>MATHS</td>
<td></td>
</tr>
<tr>
<td>EVS</td>
<td></td>
</tr>
</tbody>
</table>

a) Which subject is liked the most? ____________
b) How many children like the subject Maths? _________
c) Which subject is liked the least? ____________
d) How many children do not like Hindi? ____________
e) How many children like Maths and EVS? ____________
f) How many like English and Maths? ____________
2. Fill in the birthday chart for your class:

<table>
<thead>
<tr>
<th>MONTHS</th>
<th>How many children have birthdays in this month</th>
</tr>
</thead>
<tbody>
<tr>
<td>January</td>
<td></td>
</tr>
<tr>
<td>February</td>
<td></td>
</tr>
<tr>
<td>March</td>
<td></td>
</tr>
<tr>
<td>April</td>
<td></td>
</tr>
<tr>
<td>May</td>
<td></td>
</tr>
<tr>
<td>June</td>
<td></td>
</tr>
<tr>
<td>July</td>
<td></td>
</tr>
<tr>
<td>August</td>
<td></td>
</tr>
<tr>
<td>September</td>
<td></td>
</tr>
<tr>
<td>October</td>
<td></td>
</tr>
<tr>
<td>November</td>
<td></td>
</tr>
<tr>
<td>December</td>
<td></td>
</tr>
</tbody>
</table>

a) Which month has the maximum number of birthday celebrations?

__________

b) How many birthdays are celebrated in the month of January?

__________

c) How many children have their birthdays during the summer vacation?

__________