



Discovering in the garden

Level I: Book I

Join me in Gran and Gramps's garden while I learn and play. I never knew doing Maths in the garden can be such fun. Gran and Gramps's have many practical ideas we can do at home or at school. Are you ready?

Practical application of concepts within the theme.

1. Big and small: Dig two big holes and one small hole in the garden.
2. Depth: Dig two holes, one deeper than the other.
3. Shapes: Dig a big round hole in the ground.
4. Number symbols: Use a stick and write number symbols in the soil.
5. Volume: Fill a bucket with water or soil: full, half, quarter.
6. Big, small, short, tall: Compare the spade, rake and bucket.
7. Count: Collect seeds from vegetables like beans, peas, pumpkins, corn. Count the seeds and assist with planting some of the seeds.
8. Horizontal and vertical: Rake horizontal and vertical lines on the ground.
9. Divide into groups: Divide into 2 or 3 groups and see which group of friends can identify the most items in the garden.
10. Divide into 2 groups: Let one group search for green items in the garden, and the other group for brown items. Add the green and brown items.
How many items in total?



Level I: Book I of Tippiie does maths serves as revision and reinforcement for basic Mathematical literacy covered in Level R.

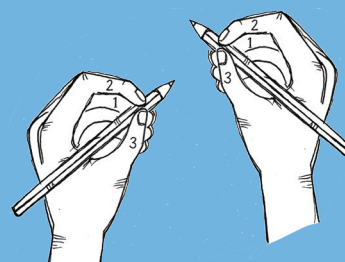
Tippie does maths is a fun way to master numeracy skills. Complete page by page, assist your child and discuss each picture.

We recommend that you do one or two pages per day, to a maximum of three. Spend enough time on each page. Refrain from putting too much emphasis on perfect work. Always use the concrete tools provided. Learn by doing, and active involvement in learning is the most effective way for children to learn.

Complementary to the tools in this series, we suggest that you also use other concrete materials such as dominoes, dice and counters, such as ice-cream sticks, buttons, blocks, lids, seeds, coins, et cetera.

The child needs scissors, colouring pencils and glue.

Use a pencil for writing and give attention to the correct pencil grip.



Tippie believes learning should be exciting, fun-filled and functional.

This series focuses on functional outcomes and the child is only expected to write answers if they contribute to the Mathematical outcomes. With all the visual structures provided the child's focus will be on mathematical skills and not on "writing". The child can circle, mark or write the answer.



There is an opportunity for the child to do self-evaluation. The child can draw Tippie's mouth to show:



I can do it!

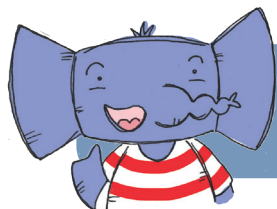


I still need to
practise!

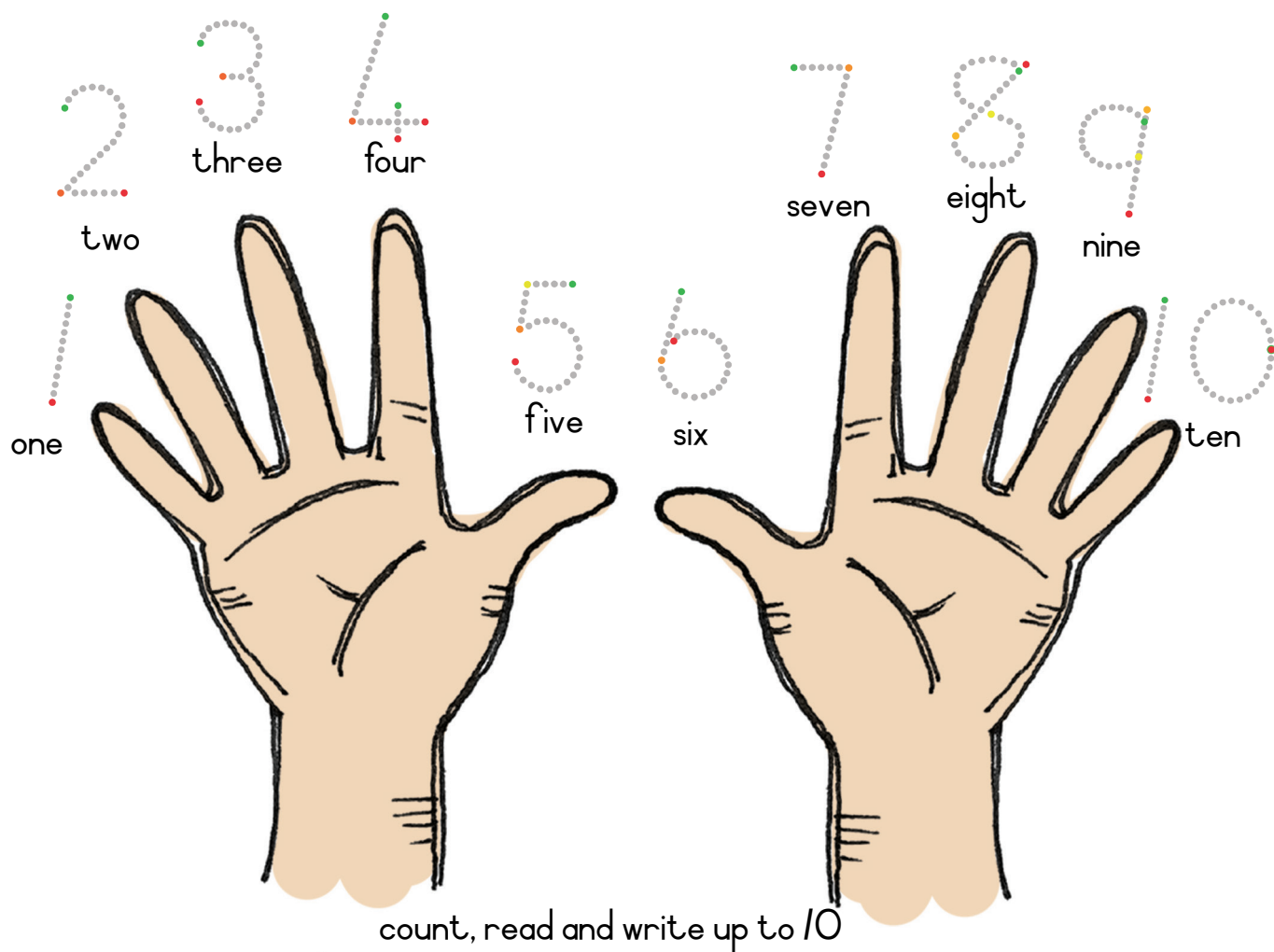


I need help!

Level 1: Book 1 has a pull-out centre spread that serves as a visual Mathematical reference guide for Level 1. Tippie suggests you laminate this guide for continuous use.



Core concepts in this book.



plus
sum of
make it more
add up
increase
add



is equal to
same as



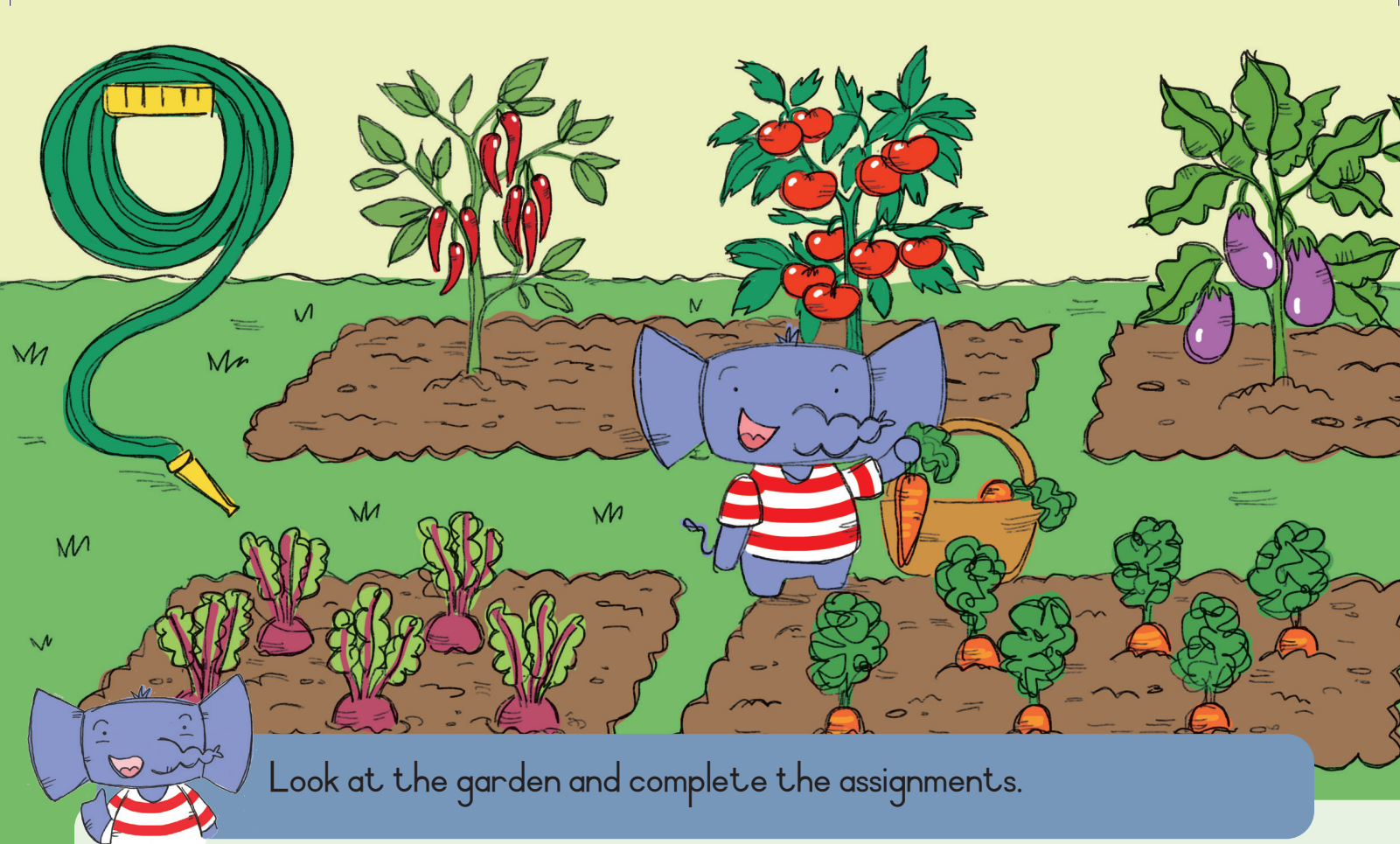
minus
subtract
make less
take away
reduce



coins



Level I of Tippias does maths builds on the outcomes recorded and practised in Level R. Mathematical principles are progressive and if the basic prior knowledge is lacking, we strongly recommend that the child revise the Level R series before moving on to Level I.



Look at the garden and complete the assignments.

1. Count with Tippi. Write your answers in the blocks.

















2. Circle all the vegetables in the garden that totals 5.
Now draw in the block the pictures of the five vegetables.

3. Are the carrots more than the corn?

yes no

4. Are the pumpkins less than the brinjal?

yes no

5. Which vegetables are the same amount?





6. There are 4 pumpkins. Share the pumpkins between Gramps and Gran. How many pumpkins does each get?



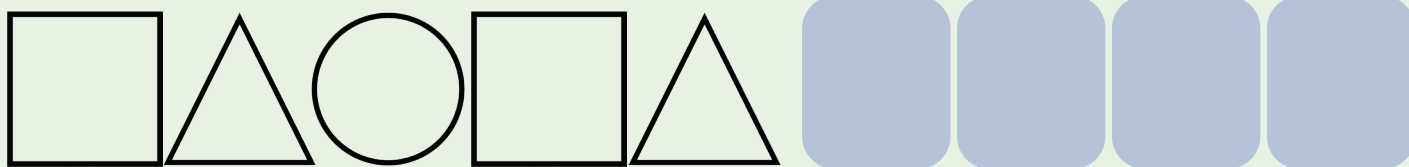
7. Draw a circle around the most objects in each block.



8. Complete the pattern.



9. Complete the pattern.





Look, Gran, I can still remember to count to 10.
Can I show you, Gran?

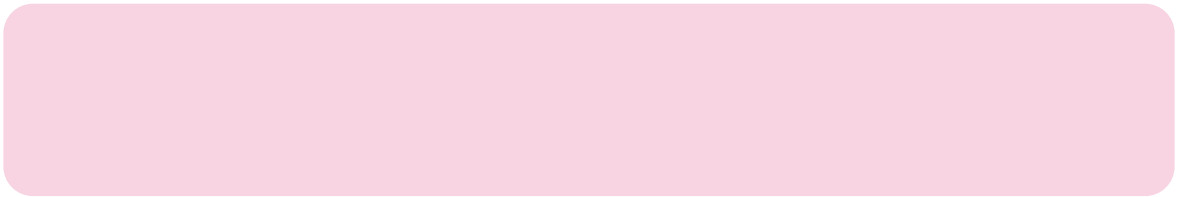


Yes, Tippie. I would like
to see.

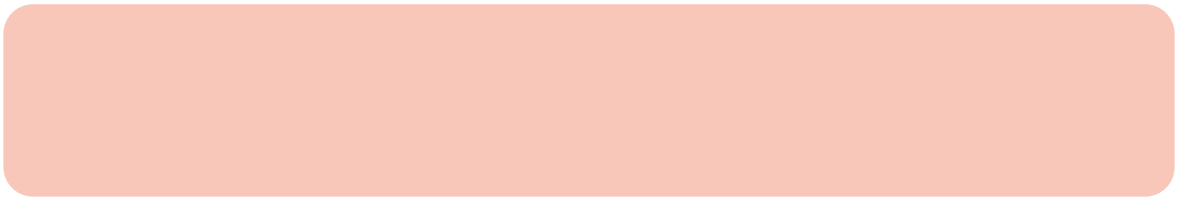


Go to page 25, cut out the vegetables and match the vegetables
to the correct number. Glue the vegetables into the block.

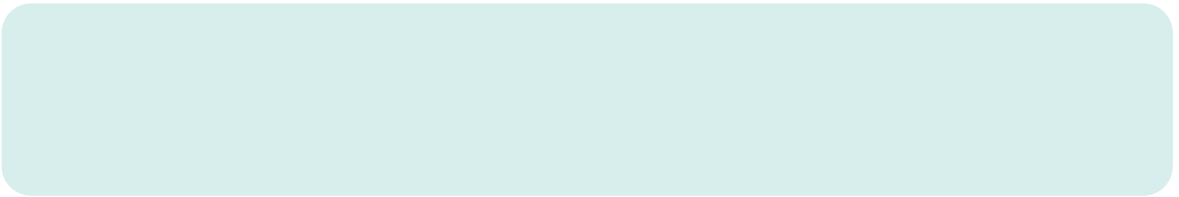
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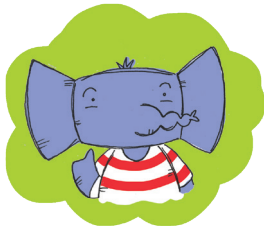
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7



9



1. Count from 1-10. Show with your fingers.
2. Count from 10-1. Show with your fingers.
3. Show and count to 10 on the number line.
4. Show and count back from 10 on the number line.

