

JAMAICA

SAMPLE

NSC Edition

Primary Mathematics

Second Edition

Grade

1



Lisa Greenstein

Contributors:

Annakaye Terrelonge-Nelson and
Althea Frazer-Small

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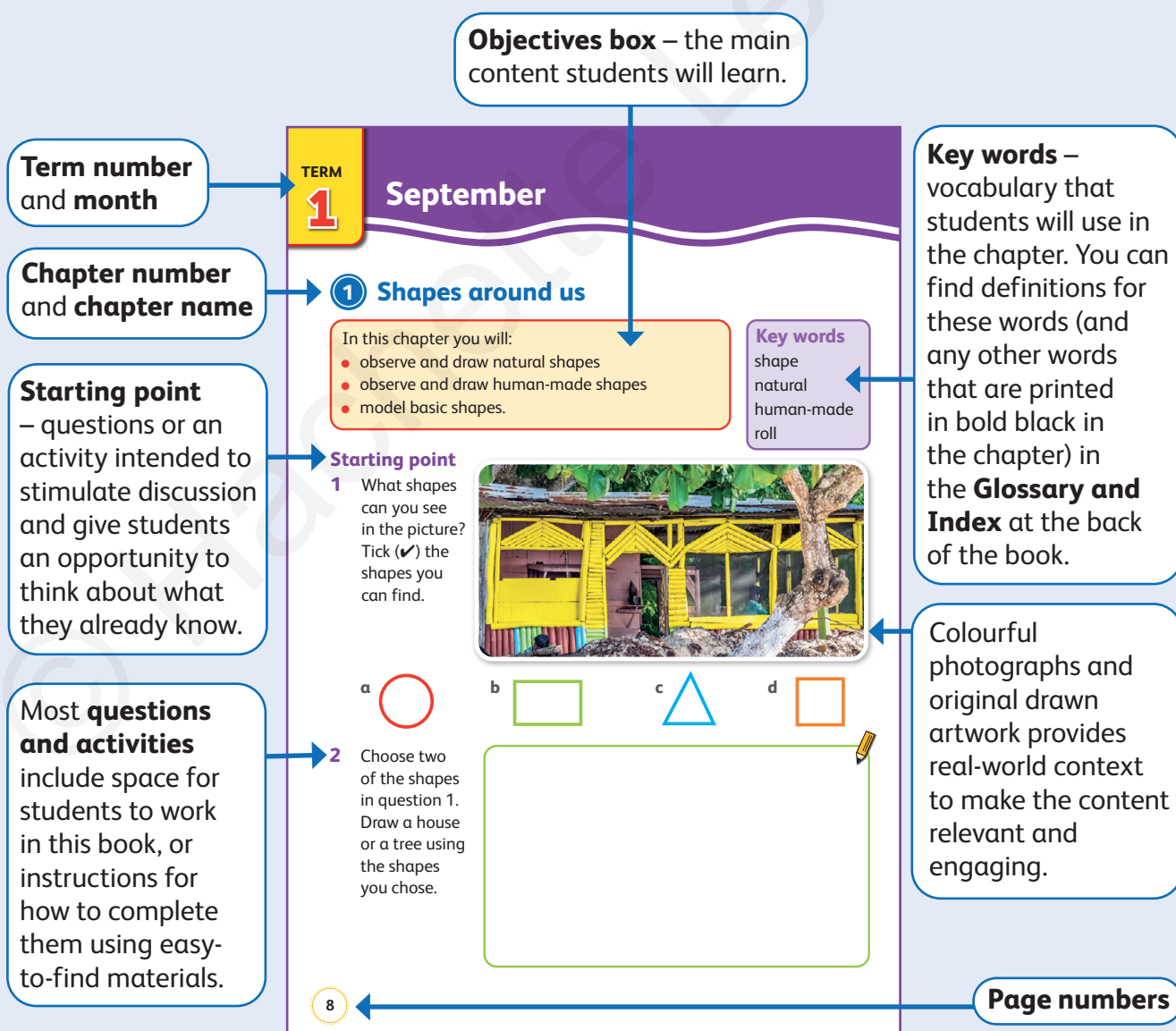
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Introduction

Welcome to *Jamaica Primary Mathematics for Grade 1*. This book has been designed collaboratively by a team of international and Jamaican writers and educators to meet fully the requirements of the Jamaican NSC.

Mathematics is divided into five strands: **Number**, **Measurement**, **Geometry**, **Statistics and probability** and **Algebra**. In each chapter, you will find a colour-coded tab down the right-hand side of the page, showing which strand the student is working on. Students steadily build up their skills in each strand throughout each term. The **Contents** page shows you how the chapters have been allocated to each month of the school year.

This is what you will find as you work through the book:



Dear Student

This book is your special guide to the world of numbers, shapes, patterns and problem solving. Mathematics is all around you. You use it when you count, measure, share things, and even when you play games. You can see mathematical patterns in nature in your environment, and in the built world around you. As you work through each page, you will discover colourful pictures, fun activities, challenges and new ways to solve problems.

As you work through this book, do not be afraid to try different ways of working, and to make mistakes. Mistakes help us to learn and understand new things. Ask questions and discuss your ideas with a partner or a group. Mathematics is challenging, and you will learn in many different ways. Good luck and have fun!

Other features you will find in a chapter may include:

-  **Real-life maths** – activities that link content to real-world contexts, or provide opportunities for hands-on and practical activities. These are often integrated with subjects such as Art, Science or Social Studies.
- A  indicates an opportunity for drawing.
- The  indicates an activity that gives students an opportunity to use technology or develop their digital literacy.
-  **Problem solving** to solve real-world problems, in context, using the maths that have learned.
- **Practice** – extra questions for students who need an opportunity for further practice in order to achieve mastery.
- **Challenge** – extension questions that give students an opportunity to extend or challenge themselves using what they have learned.
- **What I have learned** – a reflection activity at the end of each chapter, which can be used for consolidation or assessment.

1 Shapes around us

In this chapter you will:

- observe and draw natural shapes
- observe and draw human-made shapes
- model basic shapes.

Key words

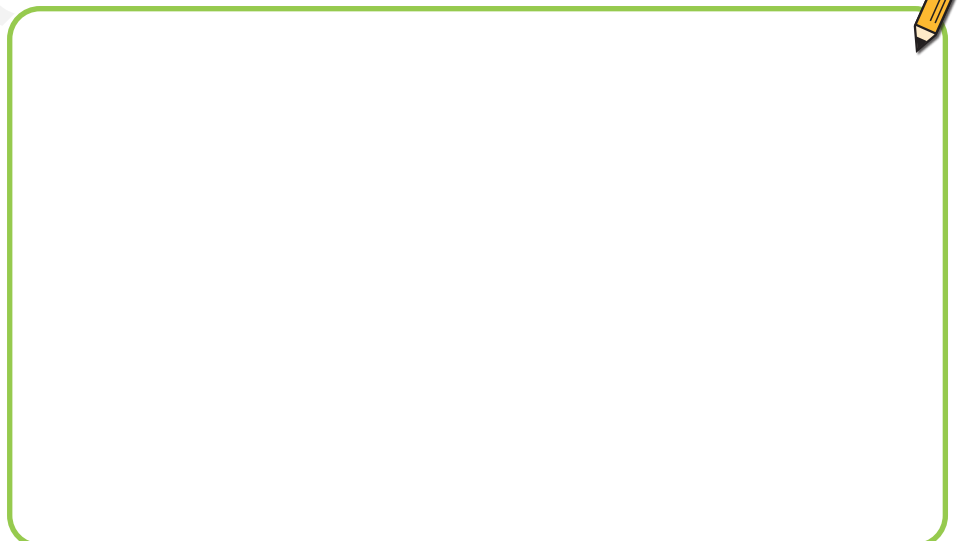
shape
natural
human-made
roll

Starting point

- 1 What shapes can you see in the picture? Tick (✓) the shapes you can find.



- 2 Choose two of the shapes in question 1. Draw a house or a tree using the shapes you chose.

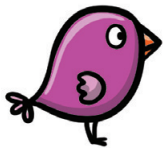


Natural shapes

Natural shapes simply grow or occur in nature. The Sun, Moon and stars form natural shapes. The Earth and all its plants and animals form natural shapes.



1 Tick (✓) the natural shapes.



2 Draw something you can find in nature that looks like each shape.



circle



triangle

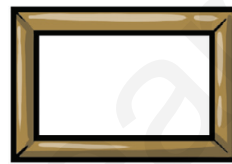
Human-made shapes

Some shapes are **human-made**.

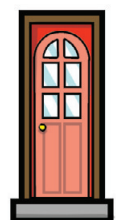
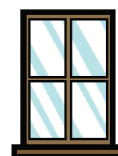
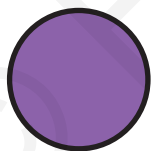
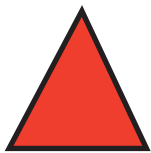
These are things that people have made or built.



1 Tick (✓) the human-made shapes.



2 Circle the object that does not match the shape. Say why.



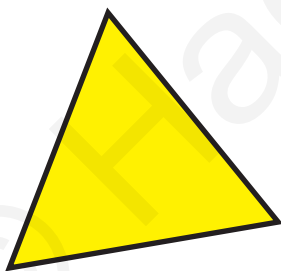
Finding shapes



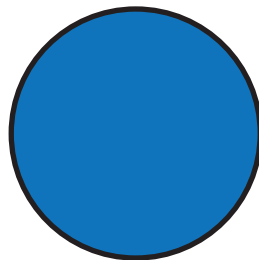
Real-life maths activity



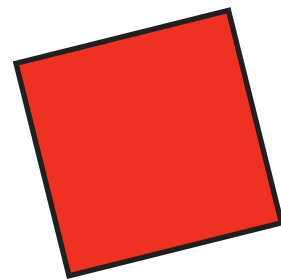
- How many of each shape can you find in the picture?
Compare your answers.



triangle



circle

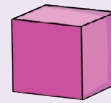
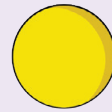


square

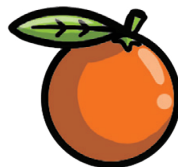
- You will need a sheet of paper. Look around you. Draw or write some natural and human-made things you see that are triangles, circles or squares, including rectangles. Tell a partner.

Shapes that roll

Some shapes can **roll**. Some shapes cannot roll.



1 Circle the things you think will roll. Say why.



2 Explore making different shapes.
Try to roll them. Draw the shape you
made in the correct place in the table.

You will need:

- some clay or playdough.

Can roll	Cannot roll

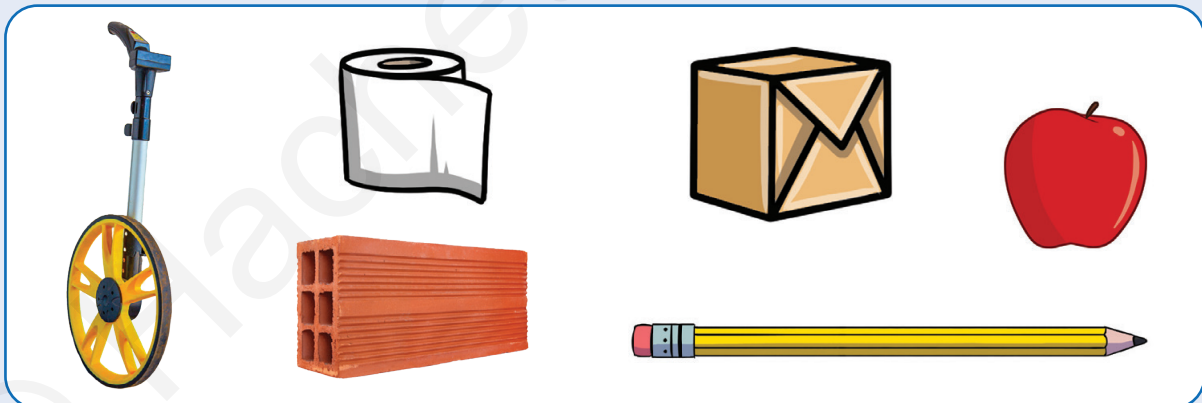


Practice

1 Tick (✓) **natural** or **human-made** for each shape.

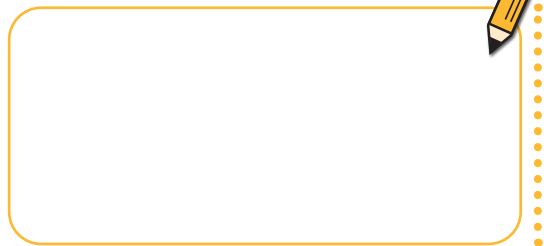
Shape	Natural	Human-made	Shape	Natural	Human-made
tree 			box 		
bowl 			ball 		
orange 			leaf 		
fish 			cloud 		

2 Cross out the things that will not roll.



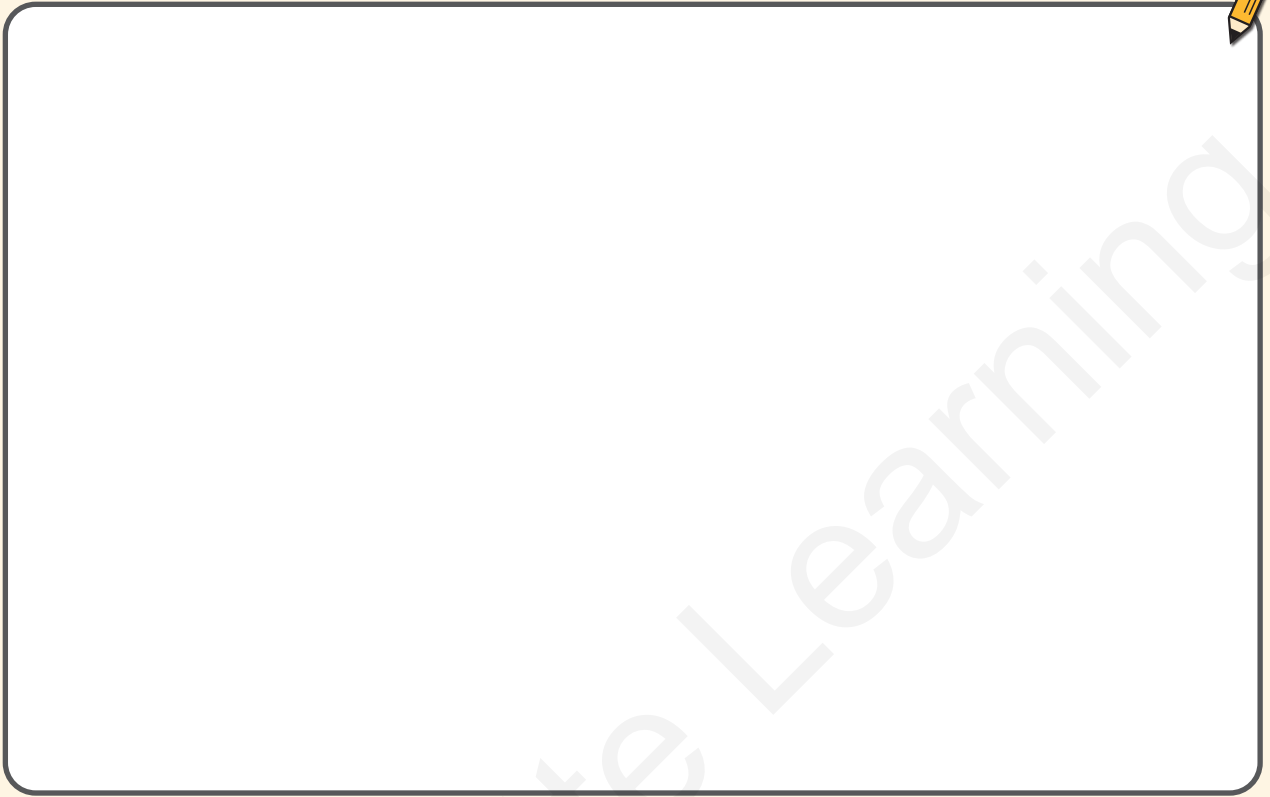
Challenge

Harry put two circles together to make the shape of number 8. Put any two shapes together to make new shapes.



What I have learned

I can draw a natural shape.



A large, empty rectangular box with a thin black border, intended for drawing a natural shape. A small yellow pencil icon is positioned in the top right corner of the box. A faint, diagonal watermark reading '© Hachette Learning' is visible across the box.

I can draw a human-made shape.



A large, empty rectangular box with a thin black border, intended for drawing a human-made shape. A faint, diagonal watermark reading '© Hachette Learning' is visible across the box.



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Primary Mathematics

Second Edition

Grade

1

Make maths fun, attainable and relevant with a series specifically designed for Jamaica's National Standards Curriculum by an expert team of authors in consultation with Jamaican educators.

- ☀ Enter new topics with exciting chapter openers and Starting point activities to determine prior knowledge and learning readiness.
- ☀ Develop analytical skills with features such as Problem solving and Real-life maths activities.
- ☀ Provide a solid foundation for learning and PEP preparation at Grades 1–3.
- ☀ Consolidate learning at the beginning and end of each chapter with objectives and What I have learned activities.

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