25SCHOOLS
FREE LEARNING NOTES FOR ZAMBIA

GRADE 2 · TERM 3

Mathematics

Shapes

Lesson notes for learners · Competence-Based Curriculum

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Shapes are everywhere around us. The plate we eat from is a circle. The door we walk through is a rectangle. The roof above us might be a triangle. In this note you will learn what a shape is.

AFTER THESE NOTES YOU SHOULD BE ABLE TO

- Say what a shape is
- Say the difference between a 2D shape and a 3D shape
- Name shapes you can find at home and at school

KEY WORDS

Shape	An area with a boundary, such as a square, circle or triangle.
2D shape	A flat shape with only length and width.
3D shape	A shape with length, width and height or depth.
Attribute	A characteristic of a thing, such as its shape, size and colour.

1 What is a shape

A shape is an area with a clear boundary. A square, a circle and a triangle are shapes. A shape has length and width, and its boundary closes it in.

Shapes are important in art, design and play. We can explore them with our hands, with drawing boards, clay or blocks.

2 2D and 3D shapes

A 2D shape is flat. It has only length and width. A 3D shape has length, width and height or depth.

Look for shapes in daily life. The plate is a circle. The door is a rectangle. The roof may be a triangle. Shape, size and colour are attributes of things.

Thing	Shape
Plate we eat from	Circle
Door we walk through	Rectangle
Roof above us	Triangle

Figure 1. Shapes around us

TRY THIS

Walk around your home and touch things. Tell an adult one thing that is a circle and one thing that is a rectangle.

REMEMBER

- A shape is an area with a boundary
- A 2D shape is flat with length and width
- A 3D shape has length, width and height or depth
- Shape, size and colour are attributes

? Check yourself

1. What is a 2D shape.
2. What does a 3D shape have.
3. Name one attribute of a thing.
4. What shape is a plate.
5. Mulenga walks into his classroom and touches the door, the plate on his desk and the roof sheet he sees through the window. His teacher asks him to name each shape. (a) What shape is the door. (b) What shape is the plate. (c) What shape might the roof be.
6. Chanda is given clay at school and told to make a shape that is flat with only length and width, then a shape with height too. (a) What do we call the flat shape. (b) What do we call the shape with height. (c) Name one attribute she can describe.

ANSWERS

1. A flat shape with only length and width.
2. Length, width and height or depth.
3. Shape, size or colour.
4. A circle.
5. (a) A rectangle. (b) A circle. (c) A triangle.
6. (a) A 2D shape. (b) A 3D shape. (c) Shape, size or colour.

Written by 25Schools to follow the Grade 2 Mathematics syllabus of the Zambian competence-based curriculum. Free for learners to read, download and share. More notes and quizzes at 25schools.com.