

The Ambassadors College, Ota

GRADE 8

Second Term

Mid - Term Holiday Assignment

HOLIDAY ASSIGNMENT

2025/2026 Academic Session

Name: _____

MATHEMATICS

PROJECT TITLE: “EXPLORING CONES AND CYLINDERS: FROM SHAPES TO REAL LIFE” OBJECT.

PROJECT OBJECTIVE

To learn about cone and cylinder as solid shapes and make their models

MATERIALS NEEDED

- Thick cardboard
- Compass, ruler, pencil, eraser
- Scissors, glue/tape
- Coloured paper or markers
- Empty cardboard rolls (from tissue paper or kitchen foil — for cylinder base)
- Old ice cream cone wrapper or thick paper for cone demo

QUESTION

Using thick cardboard, design and construct foldable nets for each of the following solid shapes:

1. Cylinder of radius 7cm and height 20cm
2. Cone of slant height 25cm

ENGLISH LANGUAGE

Carefully read the instructions and attempt the following questions in your Cambridge Lower Secondary English Workbook 8 by Graham Elsdon.

Pages 42 -43, Chapter 4.2 - Phone Problems, Focus 1 and Practice 2.

Pages 62 - 64, Chapter 5 - Heroes, 5.1(Defining heroes), Focus 1, Practice 2 and Challenge 3.

BASIC SCIENCE

1. Name three radioactive elements.
2. List the three types of radiation and give the property of each type.

BASIC TECHNOLOGY

1. Mention the three types of drive mechanism.
2. Define a gear
3. List 5 types of gear
4. State the formula to calculate gear ratio.

BUSINESS STUDIES

Enter the following transactions in a three-column cash book and bring down the balances.

		₦
Feb 2	Cash in hand	1,025
	Cash at bank	3,500
6	Cash sales	1,000
9	Received cheque from Fola	₦ 3000
	Less 8 % discount	
14	Paid Mary by cheque	₦ 1,000 less
	5 % discount	
20	Paid postage expenses by cash	100
25	Drew ₦ 500 from the bank for office uses	

NATIONAL VALUE EDUCATION

1. Define communication.
2. Explain two (2) types of modern communication.