

The Ambassadors College, Ota

GRADE 8 (HONOURS)

Second Term Holiday Assignment

HOLIDAY ASSIGNMENT

2025/2026 Academic Session

Name: _____

Second Term Holiday Assignment

MATHEMATICS

1. 0.18litres of water is poured into a tank whose length and breadth are 5m and 4m respectively. Calculate in meters, the height of water in the tank.
2. Simplify the following: $3.283\text{cm}-4.2\text{m}+1.1\text{km}-400\text{mm}$ leaving your answer in **metres**.
3. A closed cylindrical tin has a base radius of 7cm and height 12cm . Find;
 - i. Its total surface area
 - ii. its curved surface area
 - iii. its volume (*Take $\pi = \frac{22}{7}$*)
4. Factorize the following $a^2 - 6a - b^2 + 6b$
5. A motorist drives 146km at a certain average speed. She then increases this speed by 9km/h and takes the same time to travel the next 164km . Find her speeds for both parts of the journey
6. Which of the following is/are NOT interior angles of a regular polygon?
 - I. 105°
 - II. 112°
 - III. 150°Explain or show how you arrived at your answer.
7. Find the perimeter of a semicircle whose diameter is 11.2 cm .
8. If $a = 4$ and $b = -2$, evaluate $3(a^2 - b^3)$.

ENGLISH LANGUAGE

Checkpoint Workbook (Pages 69, 70, 71, and 73)

- Unit 5.4 YOUNG HEROES Practice 2 and Challenge 3.
- Unit 5.5 SUPERHEROES Focus 1.
- Unit 5.6 SCRIPTING STORIES Focus 1.

BASIC SCIENCE

BIOLOGY

Cambridge Lower Secondary Science Workbook 8, exercise 7.1A and 7.1B, pages 134 to 136.

CHEMISTRY

Cambridge science workbook 8, Exercise 5.1A and 5.1B, Page 88-90.

PHYSICS

1. With the aid of a well labelled diagram explain the Concept of Magnetism as it applies to the earth.
2. Mention any three differences between a Manometer and a Barometer.

BUSINESS STUDIES

Differentiate between current assets and current liability with 5 examples each.

NATIONAL VALUE EDUCATION

1. Define Constitution.
2. Explain 4 types of constitution.

COMPUTER STUDIES

1. Write an algorithm and flowchart to calculate the perimeter of a rectangle.
2. Write a BASIC program to calculate the perimeter of a rectangle.