

The Ambassadors College, Ota

GRADE 7

Second Term Holiday Assignment

HOLIDAY ASSIGNMENT

2025/2026 Academic Session

Name: _____

MATHEMATICS

1. The Budgeting Strategist (Estimation & Approximation) 🛒

You have a budget of ₦35,000 to buy 9 bottles of fruit juices. Each bottle costs ₦3,350

- First, use approximation to the nearest thousand to quickly check if you have enough money.
- Calculate the actual total cost and determine exactly how much change you will have left. Then, round your final change amount to 2 Significant Figures.

2. The Olympic Track Architect

An athlete runs a race that is 1.7km long.

- Convert this distance into
 - i. Metres
 - ii. Centimetres
 - iii. Millimetres.
- If the athlete's stride is exactly 850mm long, calculate how many strides they must take to finish the race. (Show your conversion steps using the "King Henry" method).
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3. The Precision Timekeeper (Time & Degrees) 🕒

A clock's minute hand moves for exactly 47 minutes.

- Calculate the number of degrees the minute hand has turned through
- Express the total time of 47 minutes in seconds. Then, if the clock started at 12:00, calculate the reflex angle formed between the 12 and the minute hand's new position.

4. The "Brain Box" formula for calculating the number of diagonals in any

polygon: $\frac{n(n-3)}{3}$

Second Term Holiday Assignment

- identify the number of sides for a Heptagon, a Decagon and an undecagon
 - Use the formula to calculate exactly how many diagonals each of these three shapes has
5. A factory uses a cylindrical tank with a radius of 7cm and a height of 10cm.
- Calculate the Volume of the tank in litres
 - Convert that volume into Litres. If the factory needs to fill a giant vat that holds 44 Litres, how many of these small cylindrical tanks will it take to fill the vat?

ENGLISH LANGUAGE

Read and summarize the text "The Teacher's Kingdom". One page only.

INTERMEDIATE SCIENCE

Cambridge Lower Secondary Science Workbook 7

Exercise 3.7A – 3.7C, page 66 to 77.

BUSINESS STUDIES

1. Explain the meaning of saving.
2. State five importance of saving.
3. Mention five types of financial services provider.

SOCIAL AND CITIZENSHIP STUDIES

1. a. Define human trafficking
- b. List 4 causes of human trafficking
- c. List 4 solutions to human trafficking

DIGITAL TECHNOLOGY

1. Write two similarities between an algorithms and flowcharts
2. Write an algorithm to find the sum of 3 numbers and then convert it to a flowchart.