

# ***The Ambassadors College, Ota***

**GRADE 7 (Honours)**

**Third Term**

**Mid - Term Holiday Assignment**

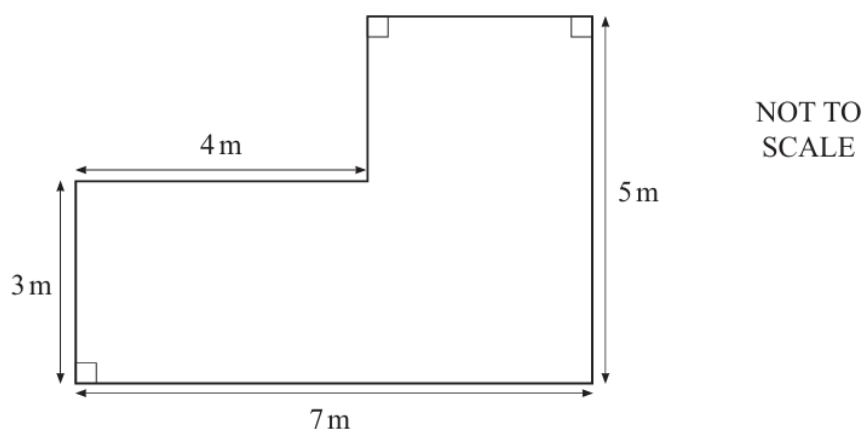
**HOLIDAY ASSIGNMENT**

**2025/2026 Academic Session**

**Name:** \_\_\_\_\_

**MATHEMATICS**

1. The diagram shows the floor plan of Pierre’s room.

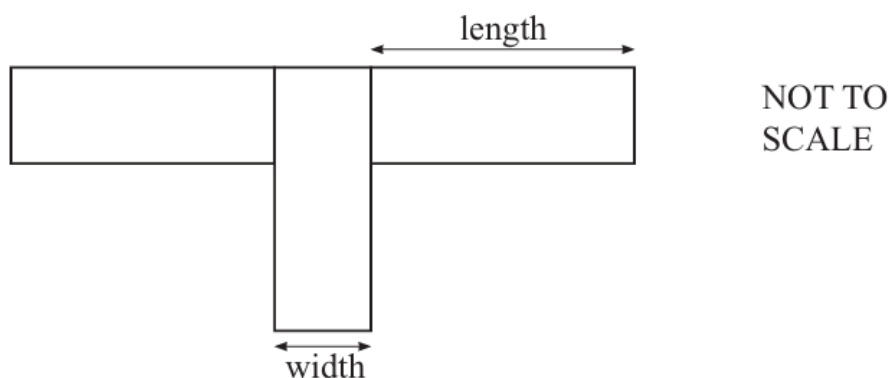


Pierre wants to cover the floor with square tiles. Each tile has side length 50 *cm*.

Pierre says that he will need more than 100 *tiles* to cover the floor.

Show that he is correct.

2. The diagram shows a shape made from three identical rectangles.



Each rectangle has a length of 7 *cm*.

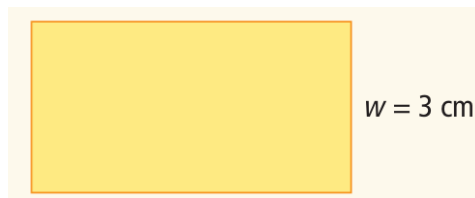
The width of each rectangle is 5 *cm* shorter than the length.

Find the perimeter of the shape.

3. The formula for the perimeter of a rectangle is  $P = 2(l + w)$ , where  $P$  is the perimeter,  $l$  is the length, and  $w$  is the width of the rectangle. The perimeter of the rectangle shown is 14 *cm*.

## Mid – Term Holiday Assignment

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- a. What is the length of the rectangle?
  - b. Another rectangle has the same length as the rectangle shown but a perimeter of  $12 \text{ cm}$ . What is the area of this rectangle?
4. Each side of a regular octagon is decreased by  $3 \text{ cm}$ . If the perimeter of the new octagon is  $48 \text{ cm}$ , what was the measure of each side of the original octagon?
5. A parking lot charges by the hour: \$2 for the first hour and \$3 for every hour after that. The formula used to calculate the number of hours someone has parked is  $3(h - 1) = T - 2$ , where  $h$  represents a number of hours greater than zero and  $T$  represents the total amount of the parking fee, in dollars. If Mark's parking fee is \$8, how long did he park in the lot?

## ENGLISH LANGUAGE

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CAMBRIDGE LOWER SECONDARY ENGLISH WORKBOOK 7.

Carefully read the instructions and attempt the following questions in your Cambridge Lower Secondary English Workbook 7 by Graham Elsdon.

1. Page 10-11 1.3 Train Trouble Focus 1 and Practice 1
2. Page 14-16 Practice 2 and Challenge 3
3. Page 34-38

## INTERMEDIATE SCIENCE

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### ***BIOLOGY***

Cambridge Lower Secondary Science Learner's Book 7, pages 148-150, questions 4.1- 4.4.

### ***CHEMISTRY***

Cambridge lower secondary science workbook 7, pg33-34, exercise 2.5 question 3

### ***PHYSICS***

1. a. State four (4) major parts that make up the earth.  
b. Explain the “continental drift hypothesis” according to Alfred Wegener.
2. a. Calculate the combined resistance of three resistors with resistance 3 ohms, 5 ohms and 2 ohms when connected in parallel  
b. Write the circuit symbols for the following components:
  - i. Lamp
  - ii. Diode

## BUSINESS STUDIES

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1. What is a journal?
2. Mention three uses of journal.
3. State the principle of double entry.

## NATIONAL VALUE EDUCATION

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1. Define Migration, Smuggling of Migrants and Irregular Migration
2. Highlight 4 ways of preventing Human trafficking