

English Language Year 7 Holiday Assignment

Explain the following parts of speech with adequate examples – conjunction, preposition, interjection, adverbs and verbs

**EMERALD HIGH SCHOOL
END OF TERM ASSIGNMENT**

MATHEMATICS

YR 7

1. A. Sketch and name 5 examples of plane shapes and write two properties for each.
B. On a given day, out of 438 pupils, 96 pupils came late to school.
i) What is the number of pupils that came early? ii) What is the fraction of pupils that came early in its lowest term.
2. A. A metal rod is to be cut into two equal lengths. If the length of one the metal rod is 5m more than the expected length and the other is 4m shorter than it should be. What is the difference between the lengths of the metal rod?
B. Evaluate i) $1101_{\text{two}} + 1011_{\text{two}}$ ii) $111_{\text{two}} \times 101_{\text{two}}$ iii) $21032_{\text{four}} - 12021_{\text{four}}$
3. A. Solve the equation i) $4k - 6 = 3 + k$ ii) $3(e + 2) - 1 = e$ iii) $d = 3(d - 9)$
B. Convert i) 302_{ten} to base four ii) 11101_{two} to base ten.
4. A. Explain what is mean by parallel and perpendicular lines.

ACTIVITY

Cut a cardboard paper and make a model of these solid shape (cylinder, cuboid, cone), also state three properties for each.

N.B: Assignment should be submitted no LATER than resumption day

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END OF TERM ASSIGNMENT**

MATHEMATICS

YR 7

1. A. Name and sketch 5 different plane shapes and write three properties for each.
B. On a given day, out of 438 pupils, 96 pupils came late to school.
i) What is the number of pupils that came early? ii) What is the fraction of pupils that came early in its lowest term.
2. A. A metal rod is to be cut into two equal lengths. If the length of one the metal rod is 5m more than the expected length and the other is 4m shorter than it should be. What is the difference between the lengths of the metal rod?
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YR. 7 2nd Term Holiday Assignment (Basic Science)

Instruction: Fill in the blank spaces.

1. Energy is defined as -----

2. Six natural sources of energy are i.----- ii. -----iii. -----

iv.----- v.----- vi. -----

3. Three artificial sources of energy are i.-----ii. -----

iii. -----

4. Five forms of energy are i.-----

ii. ----- iii. -----

iv.----- v. -----

5. Three modes of heat transfer are i. -----

ii. ----- iii. -----

6. State one device for transforming the following energy forms:

i. Mechanical energy to sound energy-----

ii. Chemical energy to heat and light -----

iii. Electrical energy to sound energy -----

iv. Electrical energy to heat energy-----

v. Mechanical to electrical energy-----

7.

S/N	Disease vector	Disease caused
i.	Female Anopheles Mosquito	
ii	House fly	
iii.	Black fly	
iv.	Rat	
v.	Aedes mosquito	
vi.	Culex mosquito	

HOLIDAY ASSIGNMENT

YEAR 7

ELECTRICAL.

Construct a socket with 3 points of light with an indicator.

MATERIALS

1. Socket 3
2. 2 core wire
3. Screws
4. 1 bulb which serve as an indicator.
5. Other accessories is allowed.