

**GRADE 11 ASSIGNMENT TERM 2
MARKING GUIDELINES**

QUESTION 1

- 1.1 B✓ (1)
- 1.2 Presence of canines✓ (1)
- 1.3 Mechanical digestion✓ **OR** Chemical digestion✓ (1)
- 1.4 T✓

	Skull A	Skull B
Canines	No canines✓	Large, well-developed canines✓
	Do not kill prey✓/eat plant material	Killing prey✓/Tearing meat
Molars	Molars and premolars are flat✓	Molars and premolars serrated/sharp✓
	Grinding plant material ✓	Shearing meat ✓

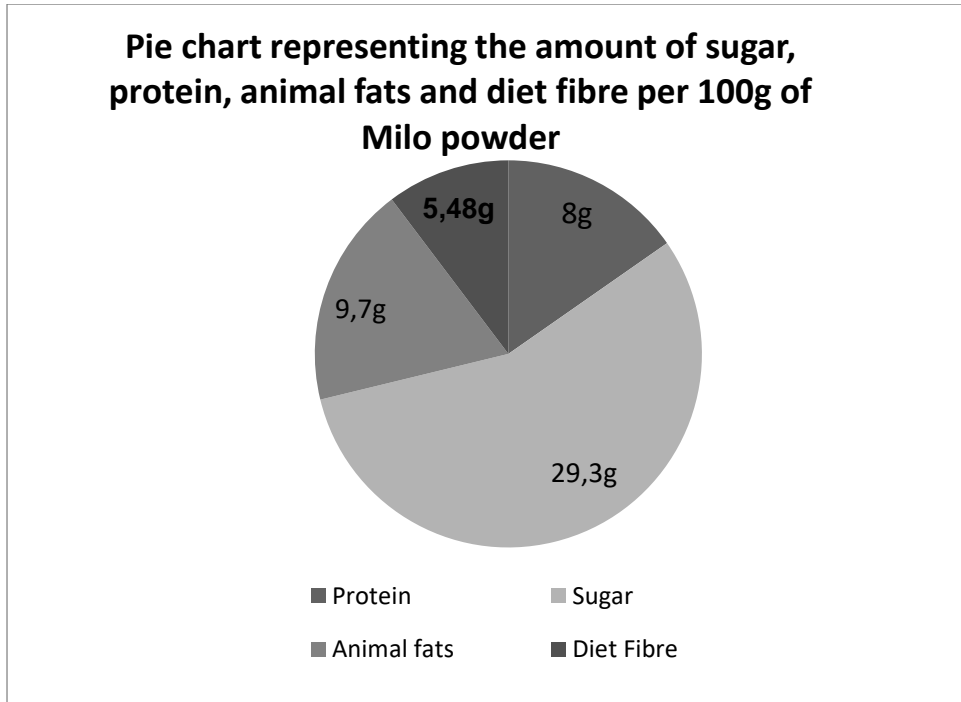
1 table + 4 content (5)

4 marks for comparing canines + functions OR 4 marks for comparing molars + functions

- 1.5 Diagram C ✓ (1)
(9)

QUESTION 2

- 2.1.1 $(5 - 1.6) \checkmark = 3,4g\checkmark$ (2)
- 2.1.2 Total vitamin B = $2,43+2,46+21,48+283+0,00269\checkmark$
 $=309,37269mg\checkmark$ **OR** 309,37mg **OR** 309,4mg (2)
- 2.1.3 Milo contains animal fat ✓ (1)
- 2.1.4 $\frac{8}{52,48} \times 360^\circ = 55^\circ$
 $\frac{29,3}{52,48} \times 360^\circ = 200,9^\circ$
 $\frac{9,7}{52,48} \times 360^\circ = 66,5^\circ$
 $\frac{5,48}{52,48} \times 360^\circ = 37,6^\circ$



Criteria to mark graph:

Criteria	Elaboration	Mark
Correct type of graph (T)	Pie chart drawn	1
Correct caption (C)	Both variables included	1
Plotting of portions (P)	1-3 portions correct	1
	All 4 portions correct	2
Correct calculations to determine the portions	1-3 correct calculations	1
	All four calculations correct	2
Total		6

(11)

- 2.2.1 **Malnutrition** refers to when a person's diet does not have balanced nutrients ✓/ not enough calories
Undernutrition refers to deficiency of nutrients ✓ (2)
- 2.2.2 Scurvy ✓ (1)
- 2.2.3 They travelled long journeys without fresh fruit and vegetables ✓ that provide vitamin C ✓ (2)
- 2.2.4 - The body breaks down its own protein molecules for fuel ✓
- Muscles shrink and the body may even break down its own tissues to supply energy. ✓
(Mark any one) (1)
- 2.2.5 Malnutrition weakens the system ✓ and increases the chances of becoming sick. ✓ It becomes difficult for the system to fight the viral infection ✓
(Mark any two) (2)
(8)

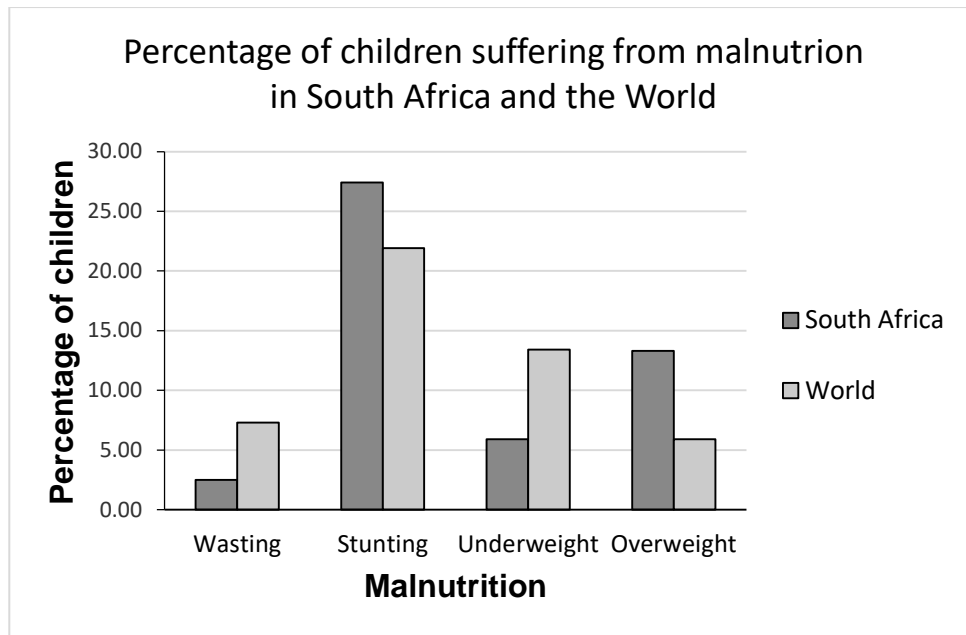
QUESTION 3

- 3.1.1 A - liver ✓
C - stomach ✓ (2)
- 3.2.1 Patient X: $200\text{g} - 125,0\text{g} = 75\text{g}$
Patient Y: $200\text{g} - 120,0\text{g} = 80\text{g}$
 $(80 - 75) \checkmark = 5\checkmark\text{g}$ (2)
- 3.2.2 Patient X ✓ (1)
- 3.2.3 Less absorption took place in the intestine. ✓ (1)
- 3.2.4 Patient Y ✓ (1)
(7)

QUESTION 4

- 4.1 $(13,3 - 5,9) \checkmark$
 $= 7,4\checkmark\%$ (2)
- 4.2 A diet that is high in energy ✓ foods such as sugars and fats ✓ (2)
- 4.3 Increased risk of heart disease; ✓
Type 2 diabetes ✓;
Hypertension; ✓
Arthritis ✓
(Mark first TWO only) (2)
- 4.4 It weakens the immune system, ✓ thus exposing the body's
weakness to infections ✓ (2)

4.5



Criteria		Mark
Type of graph	(T)	1
Heading Includes both variables	(H)	1
Appropriate scale for X and Y axis (spaces between bars and bar sizes equal)	(S)	1
Correct labels for X and Y axis	(L)	1
Drawing of bars	(P)	
1 - 3 bars drawn correctly		1
4 – 5 bars drawn correctly		2
6 – 7 bars drawn correctly		3
8 bars drawn correctly		4

(8)
(15)
[50]

