



Dr. Blosa Science

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The Science Foundation College
Uganda East Africa
Senior one to senior six
+256 778 633 682, 753 802709
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Nurture your dreams

General paper Logic quiz 28

Study the following information carefully and answer the questions that follow:

Dupe, a University undergraduate and the only son of a prominent businessman was abducted from his home town of Rumeno one early morning. He was bundled into the back seat of a black Corona saloon car and blindfolded. He guessed that the abductor were driving him westwards from Rumeno. From the shouts of taxi touts, he confirmed that they had reached the town of Kepot. The abductor made a right turn travelling northward before turning right again speeding in a north-east direction for quite a long distance. They entered Busito town where they were confronted by police patrol, and branched off in a north-west direction towards the town of Mudin. From here they went to their hideout which is south-west of Mudin

On learning of his son's abduction from the telephone call of the abductors demanding a ransom of 300 million shillings, Dupe's father alerted the police instead. The police went into action immediately and from the information gathered from public and telephone call, they were soon able to rescue Dupe after a bitter and fierce exchange of gun fire with the abductors

Given that it is:

- (i) 160km from Rumeno to Kepot
- (ii) 10km from Kepot to the second right turn
- (iii) 210km from Kepot to Busito
- (iv) 155km from Busito to Mudin
- (v) 20km from Mudin to the hide out

Questions:

- (a) Draw to scale a map showing the route taken by the abductor to reach their hide out.
- (b) (i) What is the total distance travelled by the abductors?
- (ii) What is the direct distance in kilometers between the hide out and
- Rumeno?
 - Kepot?
- (c) If you wanted to construct a direct road from the hide out to the point along the road from Rumeno to Kepot in the a south-eastern direction how many kilometers would this point be from Rumeno
- (d) Supposing you were present at the scene of the abduction, what would you do as responsible citizen?

Spellings and Grammatical Expression (SPGE)

(10 marks)

(c) If you wanted to construct a direct road from the hide out to the point along the road from Rumeno to Kepot in the a south-eastern direction how many kilometers would this point be from Rumeno

South-east direction is on the bearing of $270 + 45 = 315^{\circ}$

From the accurate drawing above the distance = 5.4×20

= 108km east of Rumeno

(d) Supposing you were present at the scene of the abduction, what would you do as responsible citizen?

Witnessing an abduction is a critical situation that requires immediate action. Here are steps you can take:

1. **Call Emergency Services:** Dial the emergency number (like 112 in Uganda) immediately to report the abduction. Provide as much detail as possible, including the location, description of the abductor and victim, and any vehicle involved.
2. **Do Not Intervene Directly:** It's important not to confront the abductor directly, as this could escalate the situation and put you and the victim in more danger.
3. **Gather Information:** Take note of any identifying features of the abductor (appearance, clothing) and the victim. If a vehicle is involved, note the make, model, color, and license plate number.
4. **Stay Safe:** Ensure your own safety by staying at a safe distance while observing the scene. Moving to a secure location where you can continue to observe without being seen is advisable.
5. **Provide Updates to Authorities:** If you can, continue providing updates to the emergency services as the situation unfolds.
6. **Look for Witnesses:** If there are other witnesses, encourage them to report what they saw and stay until authorities arrive.
7. **Follow Instructions:** Follow any instructions given by the emergency dispatcher or law enforcement officers.

Spellings and Grammatical Expression (SPGE)

(10 marks)