

P.1 MATHEMATICAL LITERACY



basic education

Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

MEMO-2024

G.12

NATIONAL
SENIOR CERTIFICATE

QUESTION 1

1.1

Each person who is entitled to R100 000. Your special award will be held at a special event, starting at 18:00.

TABLE 1: Below shows some of the budgeted expenses for the party.

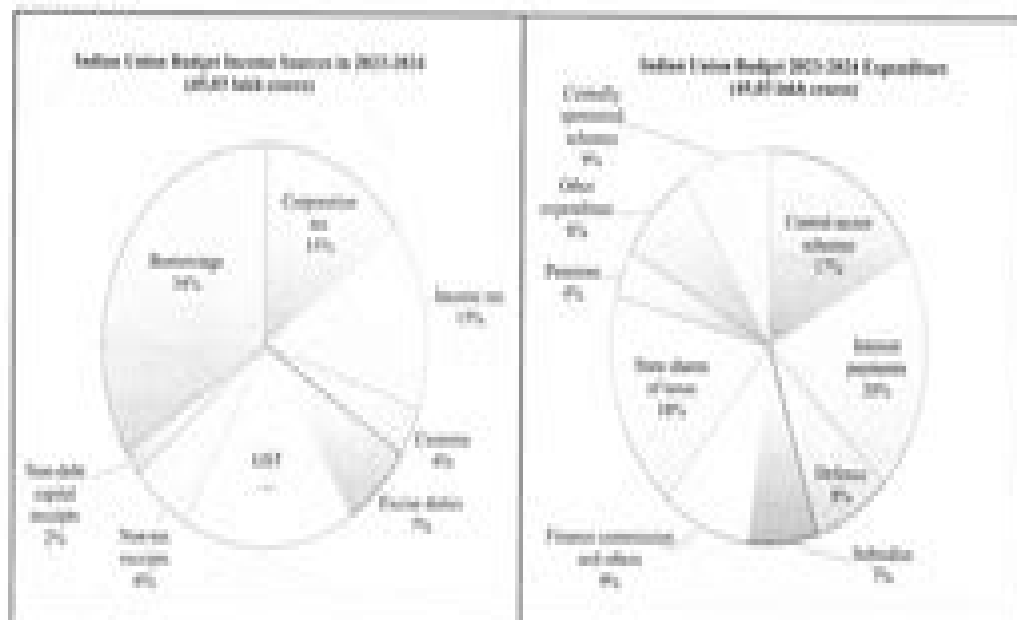
TABLE 1: BUDGETED EXPENSES FOR THE PARTY	
Cost of the venue	R150 000 (one day, 18:00 to 24:00)
Food and drink	R120 000 (one day, 18:00 to 24:00)
Decorations	R80 000
Entertainment	R100 000
Transportation	R100 000
Other	R100 000
Total	R650 000

Use TABLE 1 and the information above to answer the questions that follow.

1.1.1 The table below represents the cost of food and drink.

TABLE 1.1: COST OF FOOD AND DRINK FOR THE PARTY										
Number of people	1	2	3	4	5	6	7	8	9	10
Cost (R)	4 000	6 000	8 000	10 000	12 000	14 000	16 000	18 000	20 000	22 000

QUESTION 2



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Maths Paper2 Grd11 2014 Memo

JR Anderson



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web projectile motion launching a ball the purpose of this lab experiment was to observe an object moving in a projectile

pathway and analyze this motion through measurements taken and found the objective of this lab experiment was to visualize a ball launched in a projectile pathway

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web in this experiment you will use video analysis techniques to obtain position velocity and time data for a projectile analyze the position vs time and velocity vs time graphs for both the horizontal and vertical components of the projectile's motion

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web what is projectile motion find the initial velocity v_0 of a ball rolling off the table in the figure below the launch position is the origin of the coordinate system positive directions as specified

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launched objectives in this experiment you will

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web in this lab we will study two dimensional projectile motion of an object in free fall that is an object that is launched into the air and then moves under the influence of gravity alone examples of projectiles include rockets baseballs reworks and the steel balls that will be used in this lab

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web projectile motion is the motion of an object thrown or projected into the air subject only to acceleration as a result of gravity the applications of projectile motion in physics and engineering are numerous some examples include meteors as they enter earth's atmosphere fireworks and the motion of any ball in sports

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web nov 15 2023 after clicking the fire button the user can view the motion of the projectile and also the time of flight maximum height and range of the projectile variable region the choose environment combo box helps you to choose the type of environment that the simulation has to be performed

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web the purpose of this experiment is to describe projectile motion the measured physical quantities that are measured in this experiment include length meter and time second's the physical quantities that will be calculated based on those measurements include speed horizontal motion vertical motion and overall velocity

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