Province of the
EASTERN CAPE
EDUCATION

**NATIONAL
SENIOR CERTIFICATE**

GRADE 12

JUNE 2024

MATHEMATICAL LITERACY P2

MARKS: 100

TIME: 2 hours

This question paper consists of 13 pages and an addendum with 2 annexures.

INSTRUCTIONS AND INFORMATION

Read the following instructions carefully before answering the questions.

1.   This question paper consists of FOUR questions. Answer ALL the questions.

2.   Use the ANNEXURES in the ADDENDUM to answer the following questions:

   • ANNEXURE A for QUESTION 1.3
   • ANNEXURE B for QUESTION 2.2

3.   Number the answers correctly according to the numbering system used in this question paper.

4.   Start EACH question on a NEW page.

5.   You may use an approved calculator (non-programmable and non-graphical), unless stated otherwise.

6.   Show ALL calculations clearly.

7.   Round off ALL final answers appropriately according to the given context, unless stated otherwise.

8.   Indicate units of measurement, where applicable.

9.   Maps and diagrams are NOT necessarily drawn to scale, unless stated otherwise.

10.   Write neatly and legibly.

QUESTION 1

1.1   Uncle James bought a house and decided to do some renovations to the lounge area. He plans to change one of the walls in this room.

Below is the wall he plans to change.

Length = 370 cm
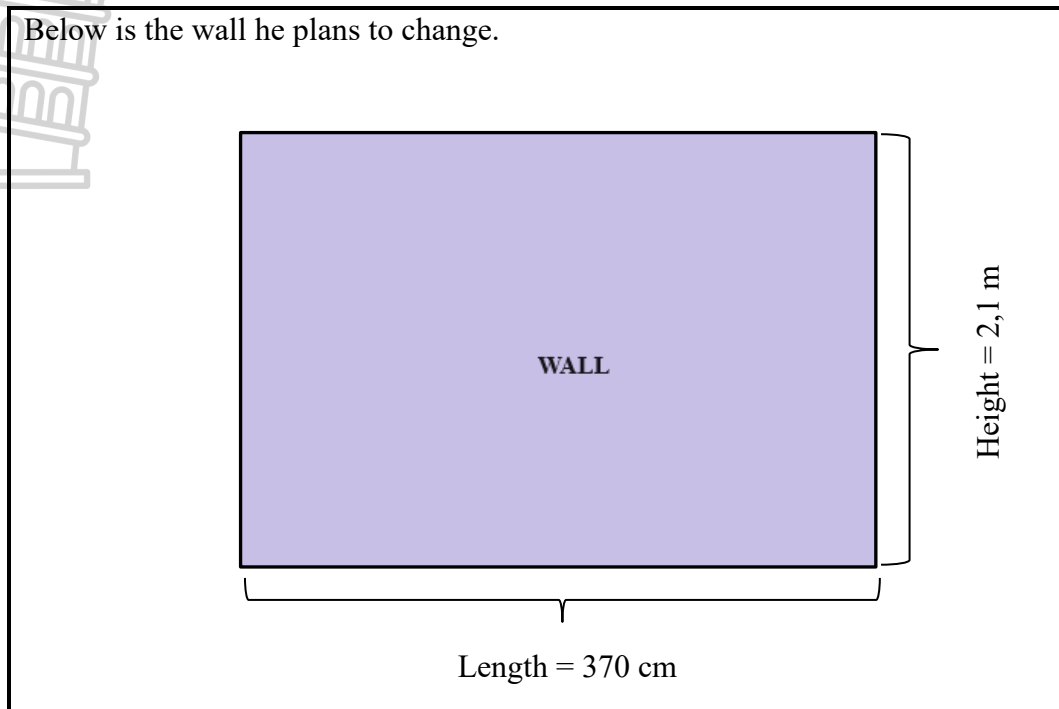
Use the information above to answer the questions that follow.

    1.1.1   Define the term *perimeter*.   (2)

    1.1.2   Convert the length of the wall to metres.   (2)

    1.1.3   Calculate the perimeter of the wall.

        You may use the following formula:

        P = length + length + height + height   (2)

1.2   Jameson will win a club cycling trophy if he is able to log at least 600 km of cycling distance in a seven-month period. He cycles as follows:

- The Vineyard Race in February (75 miles)
- The Ocean-to-Ocean Race in March (114,3 km)
- The Karoo Fun Race in April (271 km) and
- The Charity Fun Sprint (148,1 km) was his last participation in June.

NOTE: 1 km = 0,6214 miles

    1.2.1   Calculate, in km, the distance he cycled in the Vineyard Race.   (2)

    1.2.2   Hence, determine the total distance logged by Jameson throughout the period. Give your answer in kilometre (km).   (2)

1.3 | The route map of the Medihelp Stellenbosch Cycle tour is shown in ANNEXURE A.

Use ANNEXURE A to answer the questions that follow.

1.3.1   Name ONE town that is situated directly on the route.   (2)

1.3.2   How many water points are available on the Medihelp Stellenbosch Cycle tour?   (2)

1.3.3   Which national road crosses the route?   (2)

1.3.4   In which general direction is Stellenbosch from Pniel?   (2)

1.3.5   Identify the mountain pass situated on the route.   (2)

[20]

QUESTION 2

2.1   Mr Salters travelled from East London to Johannesburg, via Bloemfontein, to deliver boxes of seed.

The map below shows the national roads of South Africa.

[Adapted from https://images.google.co.za]

Use the map above to answer the questions that follow.

2.1.1   Identify the type of scale used on the map.   (2)

2.1.2   Name only TWO national roads that Mr Salters will travel on from East London to Johannesburg via Bloemfontein.   (2)

2.1.3   Write down the general directions that a person will travel from Cape Town to Garies, and from Garies to Upington.   (2)

2.1.4 Mr Salters' wife wishes to visit Walvis Bay in Namibia during the December holidays. Mr Salters comments that she would need a passport to go to Walvis Bay.
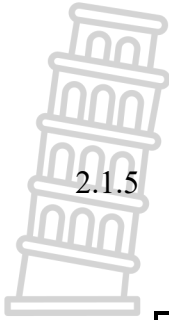
Give a reason why his wife will need a passport to visit Walvis Bay. (2)

2.1.5 The fuel tank of Mr Salters' vehicle has a capacity of 75 litres. He claims that it will cost him 4% more if he fills his car inland, instead of at the coast.

> **NOTE: Fuel cost:**
> ➢ Inland: R22,49
> ➢ Coastal: R21,77   [Source: AA Petrol price January 2024]

Verify, with the necessary calculations, whether his claim is valid or not. (5)

2.2 The Kruger National Park is a popular tourist destination. Some information about the park is given below:

The speed limit inside the park is:
- 50 km/h on tarred roads
- 40 km/h on gravel roads

Gate times:
- Entrance gates open at 05:30
- Camp gates open at 04:30
- All gates close at 18:30

ANNEXURE B shows a part of a map of the Kruger National Park and TABLE 2 shows the distances between camps and gates.

Use the information above and ANNEXURE B to answer the questions that follow.

2.2.1 Give ONE possible reason why there are specific times for the opening and closing of gates at the park. (2)

2.2.2 Determine the difference in the number of main camps and other camps on this part of the map. (2)

2.2.3 If Odwa leaves Skukuza at 17:15 and leaves the park through the Numbi Gate, determine the time that he will reach the Numbi Gate.

The following formula may be used:

Distance = speed × time

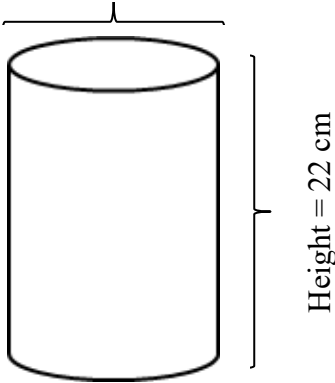**NOTE:** The distance on the gravel road is the same as the distance on the tarred road. (5)

2.2.4 Give a possible reason why most people visiting the park prefer to travel on the gravel roads, instead of the tarred roads. (2)

[24]

QUESTION 3

3.1 In a Mathematical Literacy classroom, a teacher keeps coloured pencils in three identical cylindrical containers. These pencils remain in the containers until they are used or lost. Below is an example of an image of the container with the coloured pencils and the diagram of the cylindrical container.
(Diagram NOT drawn to scale.)

Example of image of container with coloured pencils	Diagram of cylindrical container with dimensions
	Diameter = 83 mm, Height = 22 cm

3.1.1 The diameter of one of the coloured pencils is 6 mm and the length is 16,7 cm. Verify, with the necessary calculations, that 39 coloured pencils can fit into THREE of the cylindrical containers. (9)

3.1.2 The teacher packs some of the coloured pencils as follows in each of the containers: 3 pink, 2 black, 2 purple and 3 orange pencils. Calculate the probability that if a coloured pencil is taken from ALL the containers, it will be a purple pencil. Give your final answer to THREE decimal places. (3)

3.2   Invitation cards for a party are in a rectangular shape, with a circular photo of the birthday girl in the middle of the invitation card. An example of the invitation card is given below and a diagram with dimensions.

Example of image of invitation without photo	Diagram of invitation card with dimensions
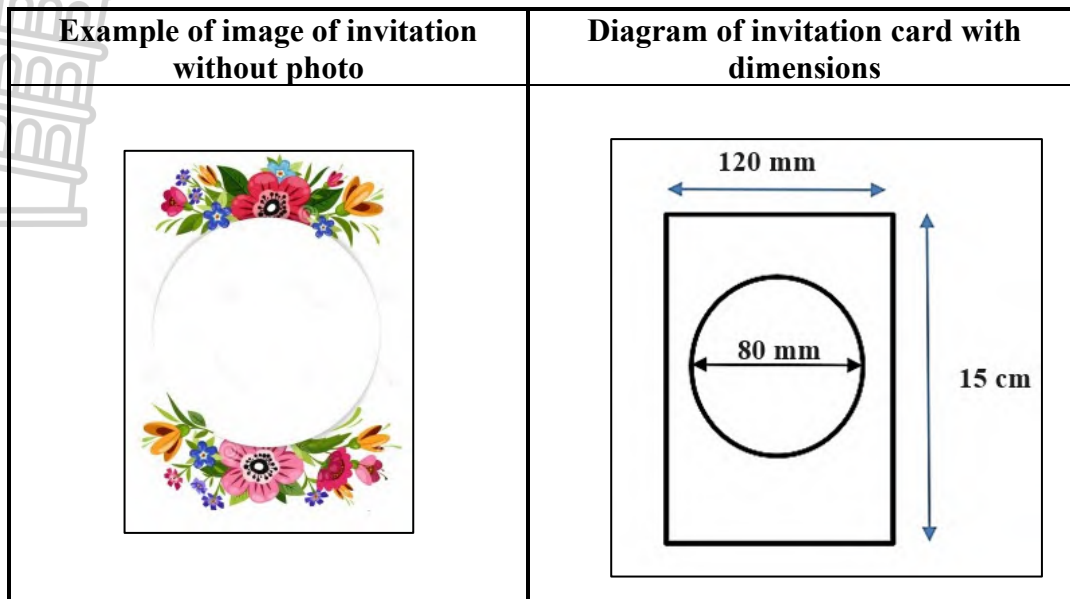
3.2.1   (a)   Calculate the area of the rectangular invitation card to the nearest mm^2.

You may use the following formula:
Area of a rectangle = length × width   (3)

(b)   Hence, calculate the area of the rectangular invitation card without the photo to the nearest mm^2.

You may use the following formula:
Area of circle = π × radius². Use π = 3,142   (4)
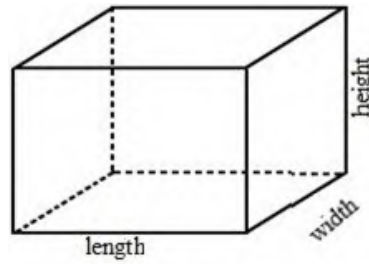
3.2.2 One of the guests buys a gift that is packaged in a rectangular box as shown below. She must wrap the gift box with wrapping paper.

Dimensions of the box are:
Length = 38,8 cm
Width = 27,5 cm
Height = 30 cm

Calculate the total surface area in cm^2 of the paper that is needed to wrap the gift box.

You may use the following formula:

**Total Surface Area of gift box = 2 (length × width) +
2 (width × height) + 2 (length × height)** (4)

Please turn over

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3.3   Electricity has become a scarce resource in South Africa. As a result, the country is investigating alternative sources of generating electricity. One alternative source of generating electricity is a wind turbine using rotating blades as shown in the picture and diagram below.

Image of wind turbine   **Diagram of wind turbine**
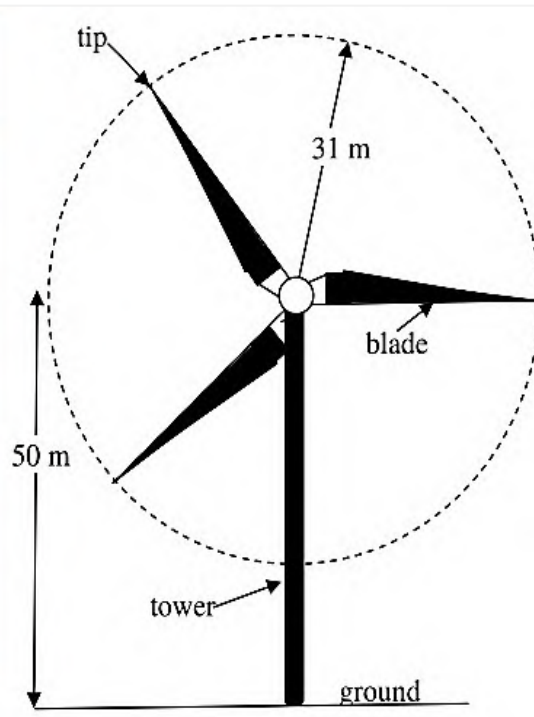
The wind turbine is mounted on the top of a 50 m high tower.
The length of each blade is 31 m.

3.3.1   Determine the length of the diameter of the circle that the blades create as they rotate.   (2)

3.3.2   Calculate the maximum height from the ground to the tip of a blade if the turbine is rotating.   (2)

3.3.3   Calculate the circumference of the circle made by the blades when it rotates twice.

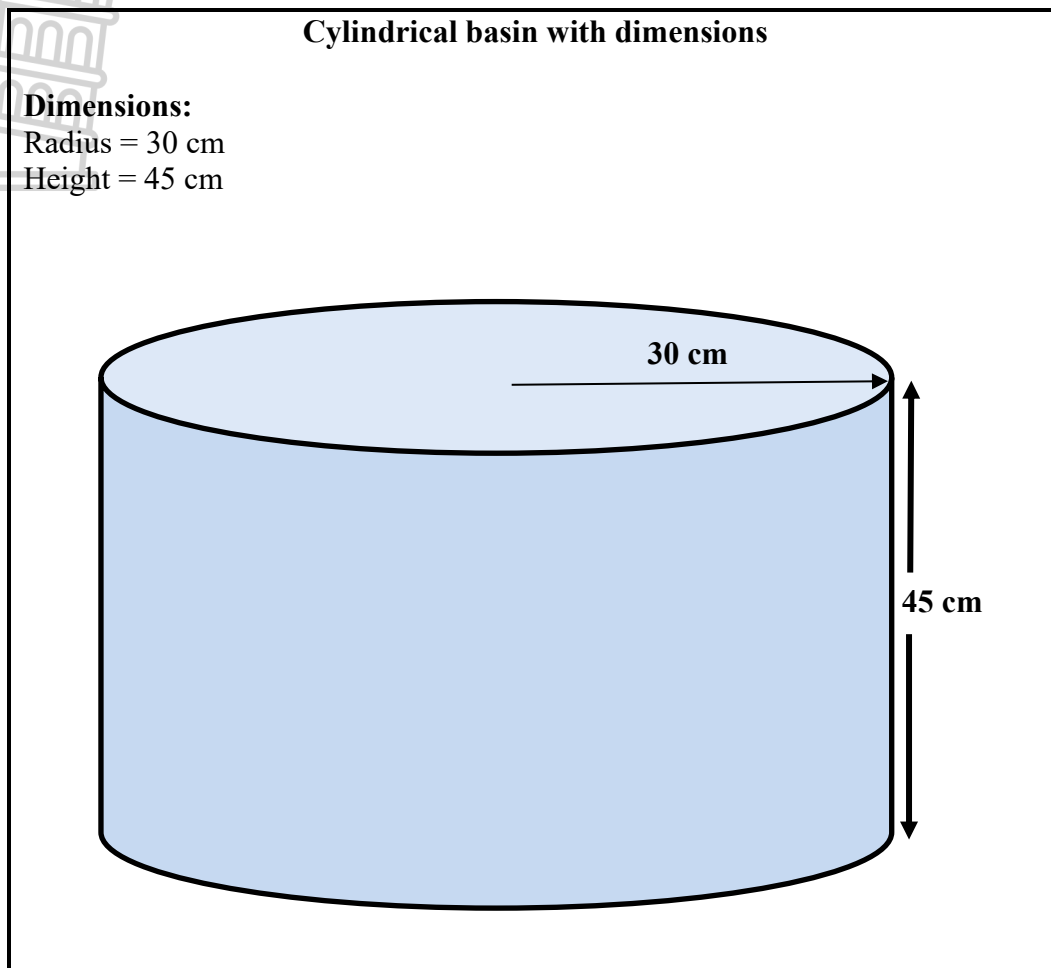You may use the following formula:

Circumference = 2 × π × radius, using π = 3,142   (2)

3.3.4   Suppose each household requires 25 kWh of electricity daily.

If one wind turbine produces 1 750 kWh of electricity daily, calculate how many households could be provided with electricity daily from one such turbine.   (2)

3.4 Sandra washes her dishes by hand three times daily in TWO identical cylindrical basins. She uses one basin for washing the dishes and the other for rinsing it. Each basin has a radius of 30 cm and a depth of 45 cm, as shown in the diagram below.

Cylindrical basin with dimensions

Dimensions:
Radius = 30 cm
Height = 45 cm

30 cm

45 cm

Sandra fills each basin to three quarters (¾) of its capacity whenever she washes or rinses the dishes.

Calculate how much water (in litres) she will use daily to wash and rinse dishes by hand. (**NOTE: 1 000 cm³ = 1 litre**)

You may use the following formula:
Volume = $\pi \times r^2 \times h$, use π = **3,142** (5)

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MATHEMATICAL LITERACY P2   (EC/JUNE 2024)

QUESTION 4

4.1

| |
|---|
| Mr and Mrs Thana went shopping in Phuket, Thailand on Friday and checked into a hotel afterwards at 15:30. They departed from the hotel the following Tuesday at 10:00. They bought a small cylindrical gift box for their daughter to keep her earrings and hair accessories in, as shown below.

Dimensions:
Diameter = 10 cm
Height = 20 cm

NOTE:
Area of a circle = 3,142 × radius^2
Volume of a cylinder = 3,142 × radius^2 × height

[Source: www.google.com] |

4.1.1   Verify, with the necessary calculations that the total number of hours that Mr and Mrs Thana stayed in the hotel was less than 90 hours.   (5)

4.1.2   The volume of their daughter's cylindrical gift box is 1 571 cm^3 with a diameter of 10 cm. Calculate the height of the cylindrical gift box.   (4)

4.1.3   The top and the bottom of the cylindrical gift box is made of a special type of wood that costs R144,65/m^2. Calculate the total cost of the wood to make the top and the bottom of the cylindrical gift box, if the area of the top is 78,55 cm^2.   (5)

Please turn over

4.2 Ms Harker asked a builder to draw a scale drawing of a proposed renovation to her house. The floor plan of the proposed renovation is shown below.
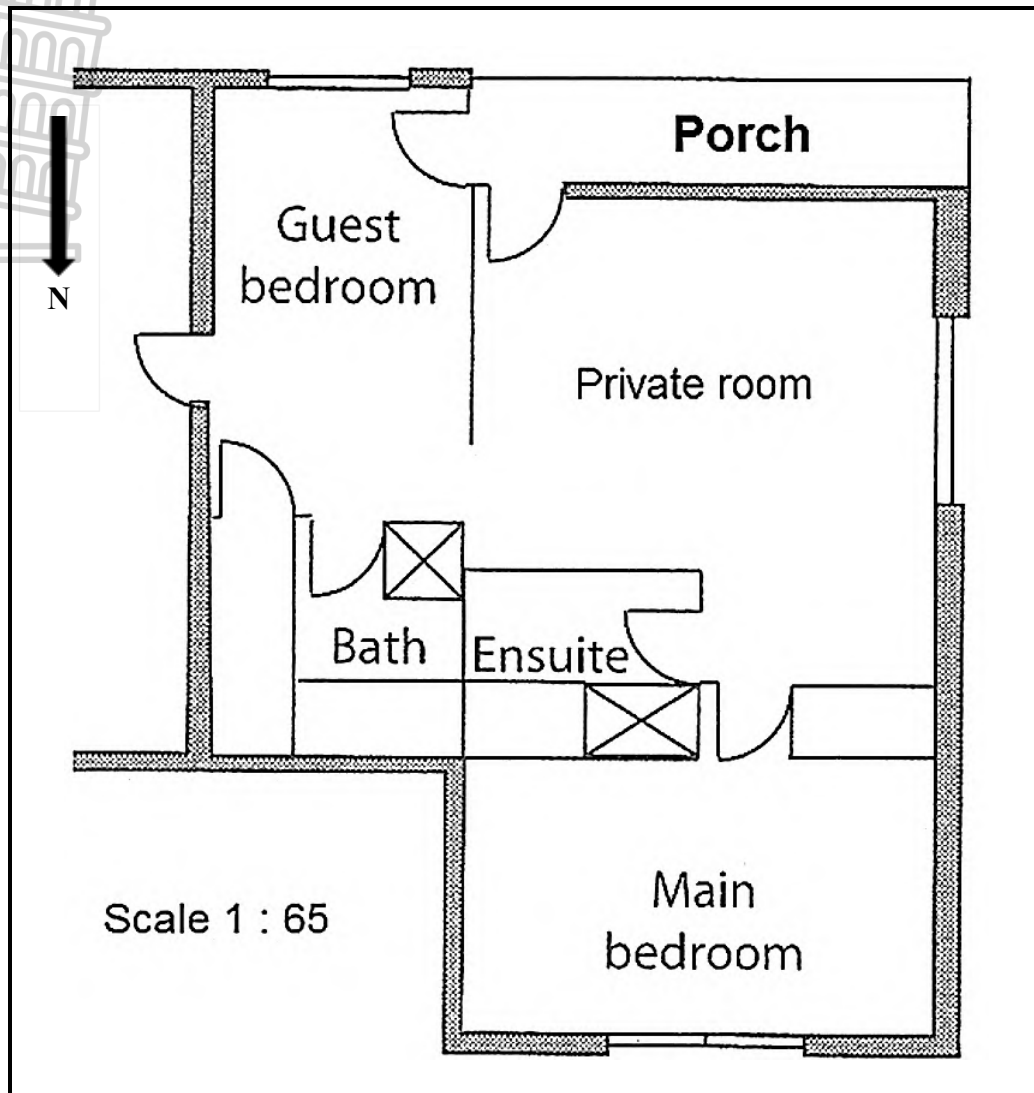
4.2.1 The measured length of the main bedroom is 3,4 cm. Use the given scale to calculate the actual length of the main bedroom. (2)

4.2.2 What is the probability of selecting a door that opens to the eastern side? (2)

4.2.3 Given that the house is situated in South Africa, explain which room you think will get the most sun. (2)

[20]

TOTAL: **100**

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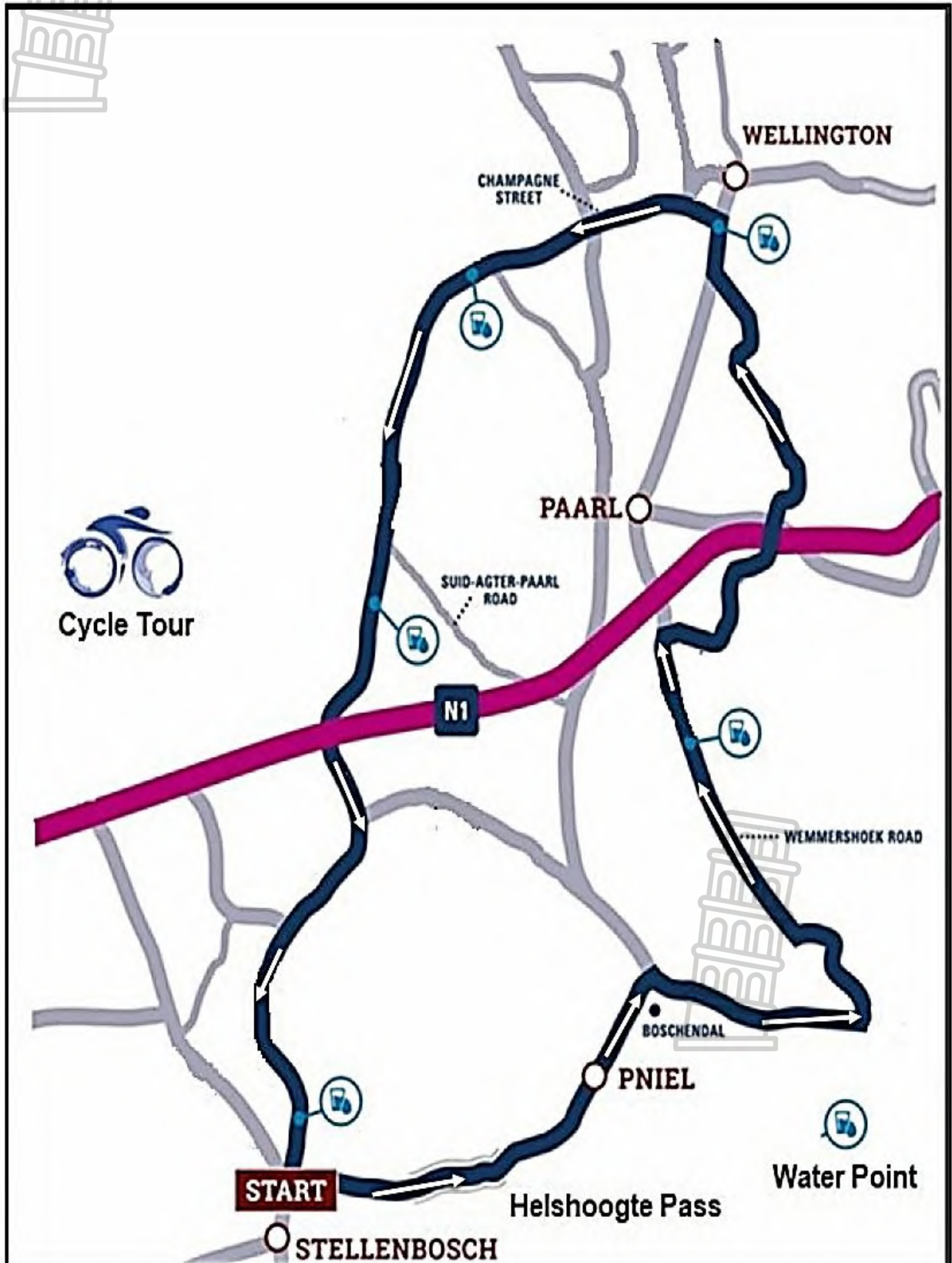
**MATHEMATICAL LITERACY P2
ADDENDUM**

This addendum consists of 3 pages with 2 annexures.

ANNEXURE A

QUESTION 1.3

THE ROUTE MAP OF THE MEDIHELP STELLENBOSCH CYCLE TOUR

ANNEXURE B

QUESTION 2.2

PART OF THE MAP OF THE KRUGER NATIONAL PARK
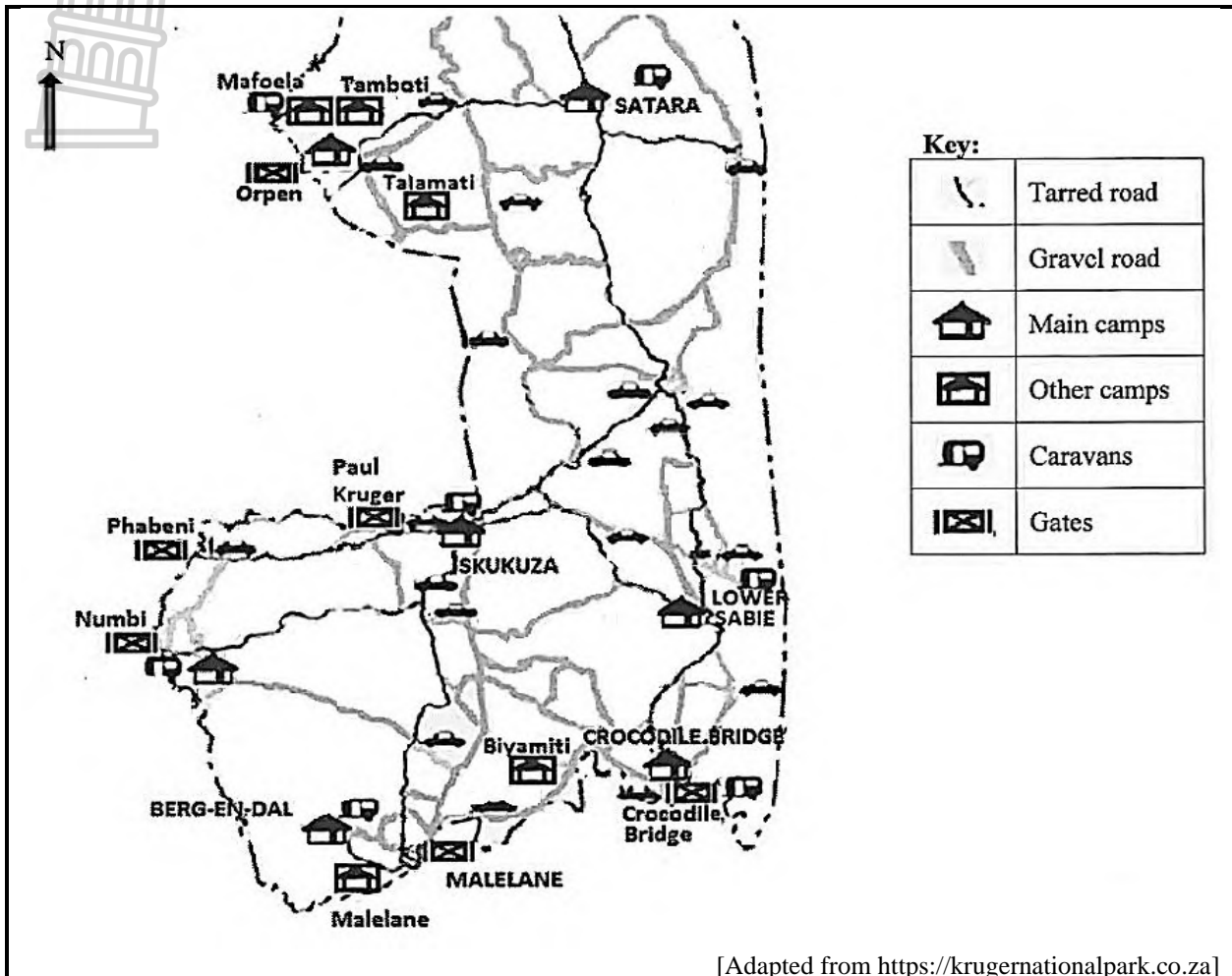

[Adapted from https://krugernationalpark.co.za]

TABLE 2

Distances in kilometres between some of the camps and gates in the Kruger National Park

Gates and camp distances	Berg-en-dal	Lower Sabie	Malelane	Numbi Gate	Orpen	Satara	Skukuza
Berg-en-dal	-	113	12	97	213	165	172
Lower Sabie	113	-	105	95	141	93	43
Malelane	12	105	-	94	204	156	64
Numbi Gate	97	95	94	-	195	147	54
Orpen	213	141	204	195	-	48	137
Satara	165	93	156	147	48	-	84
Skukuza	172	43	64	54	137	84	-

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CHIEF DIRECTORATE: EXAMINATIONS AND ASSESSMENT

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Website: **www.ecdoe.gov.za**

Ref. no.	13/P	Tel.:	(040) 608 7031/060 523 8658
Enquire:	Mrs P. Japhta	Fax:	040 608 7295

ERRATUM

TO:	**CHIEF EDUCATION SPECIALISTS**
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PRINCIPALS OF SCHOOLS IN THE FET BAND

**SUBJECT:	ERRATUM – MATHEMATICAL LITERACY P2 GRADE 12 JUNE COMMON 2024**

**DATE:	30 MAY 2024**

The Mathematical Literacy P2 Grade 12 June Common Examination was written on Monday, 27 May 2024. We were made aware of certain amendments and omissions that were discovered during the marking process and memorandum discussion on the provided marking guideline.

In order to address this and to ensure that learners are not disadvantaged, the following standardised approach to marking must be adopted across the Province. The following guidelines regarding marking was prepared in conjunction with the examiner and moderator.

Issues have been raised regarding QUESTION 3.3 regarding fairness in terms of assessment and in conjunction with the examiners and moderator the following recommendations have been decided upon.

- QUESTION 3.3 not to be marked at all (8 marks).
- The rest of QUESTION 3 to be marked out of 28 marks which will then be scaled up to the total mark of 36 marks.
- The following table should be used for scaling up from 28 marks to 36 marks.

growth
education

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Website: www.ecdoe.gov.za

NDP

Mark out of 28	Mark out of 36	Mark out of 28	Mark out of 36
0	0	15	19
1	1	16	21
2	3	17	22
3	4	18	23
4	5	19	24
5	6	20	26
6	8	21	27
7	9	22	28
8	10	23	30
9	12	24	31
10	13	25	32
11	1	26	33
12	15	27	35
13	17	28	36
14	18		

We sincerely apologise for any inconvenience we might have caused.

Yours in education.

MRS P.E. JAPHTA
(A) CES: AIDIBM SUBDIRECTORATE

30 May 2024
DATE

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JUNE 2024

MATHEMATICAL LITERACY P2
MARKING GUIDELINE

MARKS: 100

Symbol	Explanation
M	Method
M/A	Method with accuracy
CA	Consistent accuracy
A	Accuracy
C	Conversion
S	Simplification
RT/RG/RD/RM	Reading from a table/graph/diagram/map
SF	Correct substitution in a formula
O	Opinion/Explanation//Reasoning
P	Penalty, e.g. for no units, incorrect rounding off etc.
R	Rounding off
NPR	No penalty for rounding
AO	Answer only
MCA	Method with consistent accuracy
RCA	Rounding consistent with accuracy

This marking guideline consists of 10 pages.

MARKING GUIDELINES

NOTE:

- If a candidate answers a question TWICE, only mark the FIRST attempt.

- If a candidate has crossed out (cancelled) an attempt to a question and NOT redone the solution, mark the crossed out (cancelled version).

- Consistent Accuracy (CA) applies in ALL aspects of the marking guidelines; however, it stops at the second calculation error.

- If the candidate presents any extra solution when reading from a graph, table, layout plan and map, then penalise for every extra incorrect item presented.

KEY TO TOPIC SYMBOL:
F = Finance; M = Measurement; MP = Maps, plans and other representations; P = Probability

QUESTION 1 [20 MARKS]   <u>**ANSWER ONLY FULL MARKS**</u>

Ques.	Solution	Explanation	Level
1.1.1	The perimeter of a shape is the total distance around the edges defining the outline of that shape. ✓✓A **OR** Total distance around the shape. ✓✓A	2A correct explanation (2)	M L1
1.1.2	Length of wall $= \dfrac{370}{100}$ ✓C $= 3,7$ m ✓A	1C convert cm to m 1A correct answer (2)	M L1
1.1.3	P = length + length + height + height $= 3,7 + 3,7 + 2,1 + 2,1$ ✓M $= 11,6$ m ✓CA	**CA from 1.1.2** 1M adding correct values 1CA correct answer from 1.1.2 (2)	M L1
1.2.1	Distance cycled $= \dfrac{75}{0,6214}$ ✓MA $= 120,6952044$ $\approx 120,7$ km ✓A **Accept: 121 km / 120,695 km**	1MA dividing correct values 1A correct answer **NPR** (2)	M L1
1.2.2	Total distance logged: $= 120,7$ km $+ 114,3$ km $+ 271$ km $+ 148,1$ km ✓M $= 654,1$ km ✓CA **Accept 654,4 km / 654,095**	**CA from 1.2.1** 1M adding correct values 1CA correct answer (2)	M L1
1.3.1	Pniel ✓✓RT	2RT reading from map (2)	MP L1
1.3.2	5 water points ✓✓RT	2RT correct answer (2)	MP L1
1.3.3	N1 ✓✓RT	2RT correct answer (2)	MP L1
1.3.4	SW or Southwest ✓✓RT	2RT correct direction (2)	MP L1
1.3.5	Helshoogte Pass ✓✓RT	2RT correct answer (2)	MP L1
		[20]	

QUESTION 2 [24 MARKS]

Ques.	Solution	Explanation	Level
2.1.1	Bar Scale ✓✓A **OR** Linear Scale✓✓A **OR** Graphic ✓✓A Scale	2A identifying correct scale (2)	MP L1
2.1.2	N6 ✓RT and N1 ✓RT	1RT first national road 1RT second national road **Accept any order** (2)	MP L1
2.1.3	North✓A North East **OR** NE✓A	1A first direction 1A second direction (2)	MP L2
2.1.4	His wife will be crossing the border between two countries and therefore needs a passport. ✓✓O **OR** His wife will enter another country. ✓✓O	2O opinion (2)	MP L4
2.1.5	$$\% \text{ difference} = \frac{\overset{✓M}{R22,49 - R21,77}}{R21,77 \; ✓A} \times 100\% \quad ✓M$$ $$= 3{,}307\% \; ✓CA$$ Statement is invalid – it will cost less than 4%✓O **OR** $$\% \text{ difference} = \frac{\overset{✓M}{(R22,49 \times 75) - (R21,77 \times 75)}}{(R21.77 \times 75) \; ✓A} \times 100\% \quad ✓M$$ $$= \frac{1\,686,75 - 1\,632,75}{1\,632,75} \times 100\%$$ $$= 3{,}307\%✓CA$$ Statement is invalid – it will cost less than 4%. ✓O	1M subtracting correct values 1M multiplying with 100% 1A correct denominator 1CA simplification 1O opinion **OR** 1M subtracting correct values 1M multiplying with 100% 1A correct denominator 1CA simplification 1O opinion (5)	F L4

2.2.1	Staff working at the gates need to go home. ✓✓O	2O reason	MP L4
	OR		
	The wild animals in the park make it unsafe to travel or be in unprotected parts during the night.✓✓O		
	OR		
	Animals are not visible in the dark, park/camp gates open when people can see the animals. ✓✓O		
	OR		
	Access control ✓✓O		
	OR		
	To avoid overcrowding ✓✓O		
	OR		
	Security reasons ✓✓O		
	OR		
	So that people travelling from far or within the Kruger National Park, can plan ahead. ✓✓O		
	OR (2)		
	Accept any other valid reason.		
2.2.2	Other camps = 5 Main camps = 7 ✓RT Difference = 7 – 5 = 2 ✓CA	1RT number of both camps 1CA difference with 1 correct camp **AO** (2)	MP L2
2.2.3	Distance = speed × time ✓RT 54 km = 50 km/h × time ✓SF Time on gravel road $= \frac{54 \text{ km}}{50 \text{ km/h}}$ ✓S = 1,08 h = 1h 4 min 48 sec ✓C Time he will arrive at the gate is: 17:15 + 1:4:48 = 18:19:48 ✓CA	**If calculated as follows do not penalise.** 1h05min 17:15 + 1h05min = 18:20	1RT distance 1SF substitution with 50 km/h 1S change the formula 1C converting time 1CA arrival time (5)	MP L3

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2.2.4	The roads are not so busy / people drive slower / more animals are visible. ✓✓O **OR** It is the scenic route. ✓✓O **OR** To experience a sense of adventure. ✓✓O **OR** Gravel roads give you more access (short cut) to different parts of the park. ✓✓O **OR** The route blends in with nature and gives a more authentic bushveld experience. ✓✓O **OR** Accept any other reasonable answer.	2O reason (2)	MP L4
		[24]	

Please turn over

QUESTION 3 [36 MARKS]

Ques.	Solution	Explanation	Level
3.1.1	Number of coloured pencils across = 83 ÷ 6 ✓M = 13,833333…✓CA ≈ 13 pencils ✓R Number of coloured pencils down = 22 ÷ 16,7 ✓M = 1,317365269 ≈ 1 pencil ✓R Total number of pencils in one container = 13 × 1 = 13 pencils ✓CA Number of pencils in 3 containers = 13 × 3 ✓M = 39 pencils ✓CA ∴ Correct ✓O	1M dividing diameters 1CA simplification 1R number of pencils 1M dividing heights 1R number of pencils 1CA number of pencils in one container 1M multiply by 3 1CA total number of pencils 1O opinion (9)	M L4
3.1.2	Probability of taking a purple pencil from a container $= \dfrac{6}{39}$ ✓A ✓A = 0,153846153 ≈ 0,154 ✓R	**CA from 3.1.1** 1A numerator 1A denominator 1R 3 decimal places (3)	P L2
3.2.1 (a)	Area of rectangle = length × width = 150 mm × 120 mm ✓C ✓SF = 18 000 mm² ✓A	1C convert to mm 1SF substitution 1A area of rectangle (3)	M L2
(b)	Area of circle = π × radius² = 3,142 × 40² ✓A **OR** 3,142 × 40 × 40 ✓A = 5 027,2 mm² ✓CA = 5 027,2 mm² ✓CA Area without photo = 18 000 mm² – 5 027,2 mm² ✓M = 12 972,8 mm² ≈ 12 973 mm² ✓CA	**CA from 3.2.1 (a)** 1A radius 1CA area of circle 1MCA subtracting two areas 1CA rounding to nearest mm² (4)	M L3

3.2.2	Surface area of gift box = 2 (length × width) + 2 (width × height) + 2 (length × height) = 2 (38,8 × 27,5) + 2 (27,5 × 30,0) + 2 (38,8 × 30,0) ✓SF✓A = 2 134 + 1 650 + 2 328 ✓S = 6 112 cm² ✓CA	1SF substitution 1A correct values 1S simplification 1CA surface area (4)	M L2
3.3.1	Diameter = 31 m × 2 ✓M = 62 m ✓A	1M multiply radius by 2 1A correct diameter (2)	M L2
3.3.2	Maximum height = 50 m + 31 m ✓MA = 81 m ✓A	1MA adding correct values 1A answer (2)	M L2
3.3.3	Circumference = 2 × π x radius = 2 × 3,142 × 31 ✓SF = 194,804 × 2 = 389,608 m ✓MA	1SF substitution 1MA multiply by 2 and answer **NPR** (2)	M L2
3.3.4	Number of households = $\frac{1\ 750}{25}$ ✓M = 70 households ✓A	1M dividing by 25 1A correct answer (2)	M L1
3.4	Volume of 2 cylindrical basins used three times a day = π × r² × h = (3,142 × 30² × 45) × 2 × 3 ✓SF✓M = 763 506 cm³ ✓CA Litres of water used daily = $\frac{763\ 506}{1\ 000}$ × ¾ ✓C = 572,6295 litres ✓CA **OR** Volume of 2 cylindrical basins used three times a day = π × r² × h = (3,142 × 30² × 45) × 2 × 3 ✓SF✓M = 763 506 cm³ ✓CA Litres of water used daily = 763 506 × ¾ = 572 629,5 cm³ = $\frac{572\ 629,5}{1\ 000}$ ✓C = 572,6295 litres ✓CA	1SF substitution 1M multiplying by 2 and 3 1CA volume 1C converting to litres 1CA ¾ litres of water 1SF substitution 1M multiplying by 2 and 3 1CA volume of water 1C converting to litres 1CA ¾ litres of water (5)	M L3
			[36]	

QUESTION 4 [20 MARKS]

Ques.	Solution	Explanation	Level
4.1.1	Total number of hours: Friday: 24:00 – 15:30 = 8,5 hours ✓A Saturday – Monday = 24 hours × 3 days = 72 hours✓A Tuesday = 10 hours ✓A Total number of hours = 8,5 + 72 + 10 = 90,5 hours ✓MA Invalid ✓O	1A number of hours on Friday 1A number of hours for 3 days 1A number of hours on day of departure 1MA adding correct values and correct answer. 1O opinion (5)	M L4

4.1.2	radius = $\frac{\text{diameter}}{2} = \frac{10}{2} = 5$ cm ✓A
	
	Volume of cylinder = 3,142 × radius^2 × height
	    1 571 cm^3 = 3,142 × 5^2 × height ✓SF
	        Height = $\frac{1\,571}{78,55}$ ✓M
	        Height = 20 cm ✓CA
		1A find radius
		
		1SF substitution
		
		1M change subject of the formula
		1CA finding the height
		
		(4)
			M
			L3

4.1.3	Area of top and bottom surface = 78,55 cm^2 × 2 ✓M
	    = 157,1 cm^2 ÷ 100^2 ✓C
	    = 0,01571 m^2 ✓S
	  Total cost = 0,01571 m^2 × R144,65 ✓M
	    = R2,27 ✓CA
	
	OR
	
	Area of top = 78,55 cm^2 ÷ 100^2 ✓C
	    = 0,007855 m^2 ✓S
	Cost of wood of top = 0,007855 × R144,65 ✓M
	    = R1,13622575
	Total cost = R1,13622575 × 2 ✓M
	    = R2,27 ✓CA
		1M multiply by 2
		1C divide by 100^2
		1S simplification of answer in m^2
		1M multiply R144,65
		1CA answer
		
		OR
		
		1C divide by 100^2
		1S simplification of answer in m^2
		1M multiply R144,65
		1M multiply by 2
		1CA answer
		
		(5)
			F
			L3

4.2.1	Actual length = 3,4 cm × 65 ✓M = 221 cm ✓A	1M multiply correct values and correct answer 1A answer (2)	MP L2

4.2.2	Probability $= \dfrac{3}{7}$ ✓A	1A numerator 1A denominator (2)	P L2
4.2.3	The main bedroom. ✓A Room is facing north. ✓O	1A correct room 1O opinion (2)	MP L4
		[20]	
		TOTAL: 100	

4.2.2	Probability $= \dfrac{3}{7}$ ✓A		