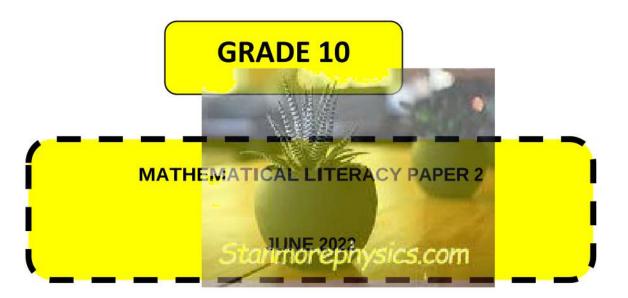
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O.R TAMBO INLAND DISTRICT



MARKS: 50

TIME: 1 HOUR

This question paper consists of 8 pages including ANNEXURE A.

INSTRUCTIONS AND INFORMATION

- 1. This question paper consists of THREE questions.
- 2. Answer ALL the questions.
- 3. Number the answers correctly according to the numbering system used in this question paper.
- 4. Show ALL calculations clearly.
- 5. Write neatly and legibly.

(2)

(2)

(2)

(2)

(3)

QUESTION 1

1.1 Sybil needs the ingredients below to bake the crust of her favourite Steak and Kidney pie for the bazaar.

Ingredients for crust

- 230g butter
- 0.6 litres of boiling water
- 12 oz effervescent flour
- 30 ml cake flour

Preheat oven to 200 °C.

Bake for 25 - 30 min until brown.

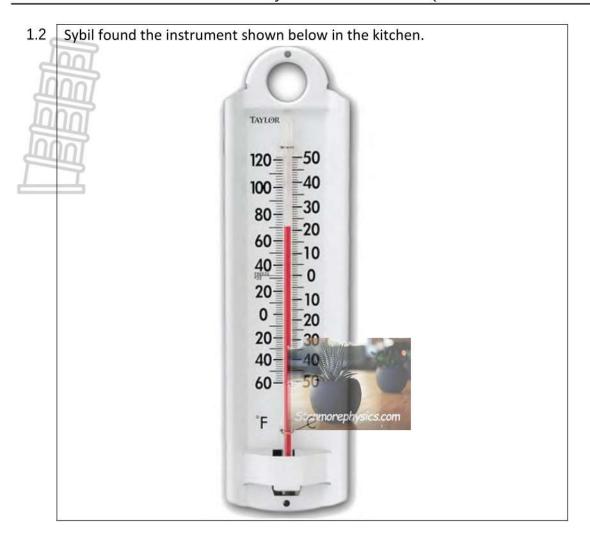
Note: 1 oz = 28.35 g

1 litre = 1 000 ml

[Adapted from source:www.Facebook.com/resepte]



- 1.1.1 Convert 12oz effervescent flour to grams.
- If Sybil puts the pie in the oven at 12:15 and lets it bake for the minimum time. What time will she take the pie out of the oven.
- 1.1.3 If she needs 0, 6 litres of boiling water. How much boiling water is needed in millilitres?
- 1.1.4 Is the unit for the furnace temperature in metric or in imperial unit?
- If one pie cost R15 to make and Sybil gets a profit of R10 on each pie. How many pies did she make if she had R300 after a day of selling pies?



- 1.2.1 What is the name of the measuring instrument? (2)
- 1.2.2 What is used to measure? (2)
- 1.2.3 Give the reading using units indicated on the right. (2)
- 1.2.4 Verify the reading on the left using the formula. (3)

$$^{\circ}F = \frac{9}{5} ^{\circ}C + 32^{\circ}$$

- 1.3.1 Which stand did Jan bought the tickets for? (2)
 1.3.2 Give a suggestion of people who may occupy the A seats (2)
 1.3.3 Device the seasont leaf friend of feet beauty VID treatment and the seasont leaf from the control of the seasont leaf from the seasont leaf from
- 1.3.3 During the concept Jan's friend offer them VIP treatment and they moved to occupy seats in front rows. Which seat will it be if they can not have the A seats

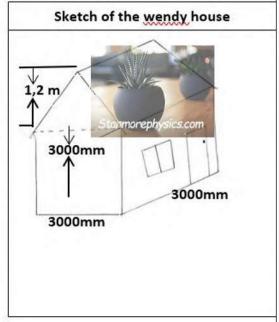
[26]

(2)

QUESTION 2

James, a wendy house contractor, needs to build a wendy house for Mr. Jonas which he wants to use to store his tools. The pictures and diagrams show the dimensions of the wendy house.





- 2.1 Identify the shape of the face with a window and door (2)
- 2.2 Show that the length of the house is 3 metres (2)

[4]

QUESTION 3

Window is 1.5m × 1.2m

John and his girlfriend drive from Outshoorn to Plettenberg Bay to visit his friend.

ANNEXURE A shows a section of a map of the Southern Cape.

- 3.1 Determine the probability for John and his girlfriend to randomly take a plane from Outshoorn to Plettenberg Bay. (2)
- 3.2 Name the National roads on which John will drive. (2)
- 3.3 John and his girlfriend decided to rest after driving for 130 km from
 Outshoorn. Write down the name of the town.
- 3.4 The measured distance (in a straight line) between Outshoorn and Plettenberg Bay is 92mm. Determine the scale of the map.

(Round off your answer to the nearest hundred thousand)

(6)

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3.5 John departs from George at 13:38 and drives at an average speed of 100 km /h. John calls his friend and says he will be in Plettenberg Bay by 14:41.

Verify with calculations whether his timings are correct.

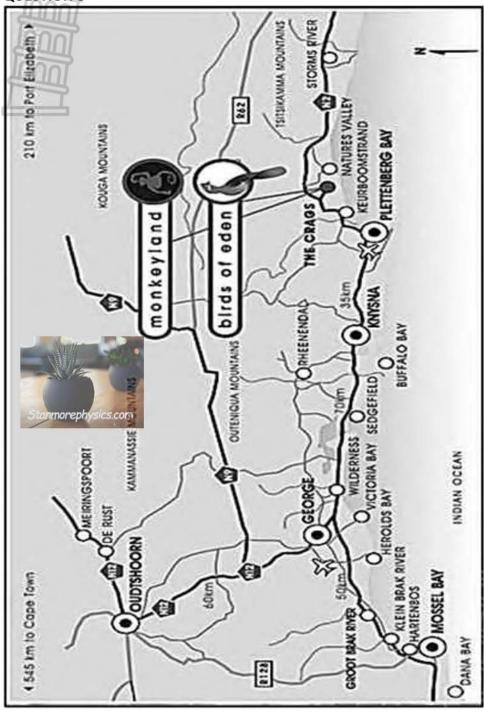
You can use the following formula: Distance = Speed \times Time (7)

[20]

Total Marks [50]

ANNEXURE A

QUESTION 3



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O.R TAMBO INLAND DISTRICT

GRADE 10

MATHEMATICAL LITERACY PAPER 2 MEMORANDUM

JUNE 2022

MARKS: 50

Codes	Explanation
М	Method
MA	Method with Accuracy
CA	Consistent Accuracy
Α	Accuracy
С	Conversion
D	Define
J	Justification / Reason / Explain
S	Simplification
RT/RD/RG	Reading from a table OR a graph OR a diagram OR a map OR a plan
F	Choosing the correct formula
SF	Substitution in a formula
0	Opinion physics.com
Р	Penalty, for no units, incorrect rounding-off, etc.
R	Rounding-off
NP	No penalty for rounding-off OR omitting units

This Memorandum consists of 4 pages including the cover page and grid analysis.

QUESTION 1

QNS	SOLUTION	EXPLANATION	MARKS	TL
1.1.1	12 × 28,35 ✓ M	1M times 28,35		TL1
In	= 340,2g ✓CA	1CA answer in gram	(2)	
1.1.2	12:15 + 25 minutes ✓ M	1M plus 25minutes		TL1
Щ	= 12:40 ✓CA	1CA correct time	(2)	
1.1.3	0,6 × 1 000 ✓ C	1C multiply by 1000		TL2
	= 600 ml ✓A	1A answer in millilitre	(2)	
1.1.4	Metric unit ✓ ✓ O	20 correct unit	(2)	TL3
1.1.5	SP =R15+R10 = R25 ✓ MA	1MA addition		TL2
	$=\frac{300}{25} \checkmark = 12 \ pies \checkmark A$	1M division		
	25 — F F	1A	(3)	
1.2.1	thermometer ✓✓A	2 A correct answer	(2)	
1.2.2	temperature ✓✓A	2 A correct answer	(2)	
1.2.3	21°C ✓✓A accept [20,5 – 21,5]	2 A correct answer	(2)	
1.2.4	$^{\circ}F = \frac{9}{5} \times 21^{\circ}C + 32\checkmark$	1 SF substitution		
	°F = 69,8°C. ✓S✓A	1 S simplification		
	accept [69 – 71]	1 A answer	(3)	
1.3.1	West stand ✓✓A	2A	(2)	
1.3.2				
	VIP, musicians, security ✓ ✓ A B3 /B2/B4 ✓ ✓ A	2A any correct	(2)	
1.3.3	B3/B2/B4V V A	2 A correct answer	(2)	
			[22]	

QUESTION 2

QNS	SOLUTION	EXPLANATION	MARKS	TL
2.1	Square√√A	2A answer	(2)	
2.2	3 000 ÷ 1 000 ✓ C = 3 m ✓ A	1C conversion 1A answer in m	(2)	
	*-	**	[4]	

QUESTION 3

QNS	SOLUTION	EXPLANATION	MARKS	TL
3.1	$\frac{0}{2}$ \wedge A \wedge A	1A numerator		
	2	1A Denominator	(2)	
3.2	N12√A	1A for N12		
	N2 ✓A	1A for N2	(2)	
3.3	60 + 70 = 130km√A√A	2 M addition		
	Knysna √A	1 A answer	(3)	
3.4	60 + 70 + 35 = 165 Km ✓	1 RT correct values		
	92 mm : 165 km ✓	1RT ratio		
	92:165 × 1 000 000 ✓ C	1C conversion to mm		
	92 : 165 000 000			
	92÷ (92) : 165 000 000 ÷ (92) ✓ MA	1 MA share with 92		
	1:1793478,26 ✓ CA	1CA answer	(6)	
	1:1800 000 ✓R	1R rounding	(6)	

3.5	Time = Distance ÷ Speed ✓F	1F correct formula		
	Distance = 70 + 35	1A correct distance		
	= 105 km ✓A	1SF replaced in		
	Time = 105km ÷ 100km/h ✓SF	formula		
1	= 1,05h	1MA times 60		
5	Time = 1 hour (0,05 × 60) ✓ MA	1MA adds time		
11	= 1 hour 3 minutes	1CA correct arrival		
9	Arrival time = 13:38 + 1 hour 3	time		
	minutes✓MA	10 explanation		
	= 14:41 ✓CA			
	He is correct ✓O		(7)	

		TAXONOM	Y LEVELS		
		GRAD	E 10		
		MATHEMATIC	AL LITERACY		
		PAPER 2 TER	M 2 – 2022		
		MARKS:	50		
QUESTION	KNOWLEDGE	ROUTINE PROCEDURES	COMPLEX PROCEDURES	PROBLEM SOLVING	TOTAL
DESIRED %	30%	30%	20%	20%	100%
1.1.1	2				2
1.1.2		2			2
1.1.3		2			2
1.1.4	2				2
1.1.5				3	3
1.2.1	2				2
1.2.2	2				2
1.2.3	2				2
1.2.4		3			3
1.3.1	2				2
1.3.2		2			2
1.3.3			2		2
2.1	2				2
2.2			2		2
3.1	2				2
3.2		2			2
3.3		3			3
3.4			6		6
3.5		3.		7	7
Total	16	14	10	10	50
Actual %	32,0	28,0	20,0	20,0	100,0
Desired %	30%	30%	20%	20%	100