Grade 12 Mathematical Literacy: Question Paper 1

MIARKS: 150

TIME: 3 hours

QUESTION 1

1.1 On a given day, the bank advertises the Rand: Euro exchange rate as 1:0.0868.

How many Euros can you buy with R 5 000,00 on this day?

(3)

- 1.2 A house plan is drawn using a 1:75 scale
 - The front door is 2.4 cm tall on the plan. How tall is the door in reality? 1.2.1 (3): 1.2.2 The plot of land on which the house is being built is 14 m wide. What is
 - the corresponding length on the plan? (3)
- 1.3 The conversion table below is used to convert between the shoe sizes of different systems. Refer to this table to answer the questions that follow.

System Europe		Sizes												
		35	35%	36	37	38756	38	3876	39	40	341	42	40	44
Japan	M	21,5	22	22.5	23	23.5	294	24.5	25	25.5	26	26,5	27.5	28.5
	W.	21	21.5	-22	22.5	23	23.5	24	24.5	215	25,5	26	27	28
U.K.	M	3.	306	- 4	456	5	504	- 6	606	7	776	. 8	806	10
	W-	2%	3	204	4	406	- 5	5%	. 6	676	7	776		906
Inches		- 9	90%	904	900	904	9%	966	90%	10	110114	10004	14004	10%
Centimeters		22,8	23.1	23.5	23.8	24,1	24.5	24,8	25.1	25,4	25.7	26	26,7	27,3

- 1.3.1What is the European equivalent of a UK (W) size 5 shoe? (2)
- 1.3.2What shoe size would a Japanese man with a size 24 foot ask for in the
- The standard inch: cm conversion rate is 1: 2,54 cm. According to the 1.3.3 table 9% inches = 23,8 cm. Is this correct? Show your working (3)
- The box and whisker plot below represents the batting averages of the 160 1.4 cricketers who have batted in T20 matches since 1 January 2009. Answer the questions that are based on the plot.



- 1.4.1 What is the name given to the two data points with value 57 and 57,33? (2)(2).
- 1.4.2 How many players have a batting average that is less than 6,25?
- 1.4.3 What must a batsman's batting average be for him to be in the top quartile?
- 1.4.4 Jaques Kallis is the South African with the highest batting average. If his average is 48,4, how does he compare with the other batsmen?

(2).[24]

(2)

(2)

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- 1. Understanding the eBook Maths Paper 1 March Grade 12 2014
 - The Rise of Digital Reading Maths Paper 1 March Grade 12 2014
 - Advantages of eBooks Over Traditional Books
- 2. Identifying Maths Paper 1 March Grade 12 2014
 - Exploring Different Genres
 - Considering Fiction vs. Non-Fiction
 - Determining Your Reading Goals
- 3. Choosing the Right eBook Platform
 - Popular eBook Platforms
 - Features to Look for in an Maths Paper 1 March Grade 12 2014
 - User-Friendly Interface
- 4. Exploring eBook Recommendations from Maths Paper 1 March Grade 12 2014
 - Personalized Recommendations
 - Maths Paper 1 March Grade 12 2014 User Reviews and Ratings
 - Maths Paper 1 March Grade 12 2014 and Bestseller Lists
- 5. Accessing Maths Paper 1 March Grade 12 2014 Free and Paid eBooks

- Maths Paper 1 March Grade 12 2014 Public Domain eBooks
- Maths Paper 1 March Grade 12 2014 eBook Subscription Services
- Maths Paper 1 March Grade 12 2014 Budget-Friendly Options
- 6. Navigating Maths Paper 1 March Grade 12 2014 eBook Formats
 - o ePub, PDF, MOBI, and More
 - Maths Paper 1 March Grade 12 2014 Compatibility with Devices
 - Maths Paper 1 March Grade 12 2014 Enhanced eBook Features
- 7. Enhancing Your Reading Experience
 - Adjustable Fonts and Text Sizes of Maths Paper 1 March Grade 12 2014
 - Highlighting and Note-Taking Maths Paper 1 March Grade 12 2014
 - o Interactive Elements Maths Paper 1 March Grade 12 2014
- 8. Staying Engaged with Maths Paper 1 March Grade 12 2014
 - \circ Joining Online Reading Communities
 - Participating in Virtual Book Clubs
 - Following Authors and Publishers Maths Paper 1 March Grade 12 2014
- 9. Balancing eBooks and Physical Books Maths Paper 1 March Grade 12 2014
 - Benefits of a Digital Library
 - \circ Creating a Diverse Reading Collection Maths Paper 1 March Grade 12 2014
- 10. Overcoming Reading Challenges
 - Dealing with Digital Eye Strain
 - Minimizing Distractions
 - Managing Screen Time
- 11. Cultivating a Reading Routine Maths Paper 1 March Grade 12 2014
 - Setting Reading Goals Maths Paper 1 March Grade 12 2014
 - Carving Out Dedicated Reading Time
- 12. Sourcing Reliable Information of Maths Paper 1 March Grade 12 2014
 - Fact-Checking eBook Content of Maths Paper 1 March Grade 12 2014
 - Distinguishing Credible Sources
- 13. Promoting Lifelong Learning
 - Utilizing eBooks for Skill Development

- Exploring Educational eBooks
- 14. Embracing eBook Trends
 - Integration of Multimedia Elements
 - Interactive and Gamified eBooks

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