| Centre Number | Candidate Number | Candidate Name | | | | |
|--------------------------------------|------------------|-------------------|--|--|--|--|
| | | | | | | |
| NAMIBIA SENIOR SECONDARY CERTIFICATE | | | | | | |
| MATHEMATI | CS ORDINARY LE | VEL 4324/1 | | | | |
| PAPER 1 (Core |) | 1 hour 15 minutes | | | | |
| Marks 60 | | 2018 | | | | |

Additional Material: Non-programmable calculator

INSTRUCTIONS AND INFORMATION TO CANDIDATES

- Candidates answer on the Question Paper in the spaces provided.
- Write your Centre Number, Candidate Number and Name in the spaces at the top of this page.
- Write in dark blue or black pen.
- You may use a soft pencil for any diagrams or graphs.
- Do not use correction fluid.
- Do not write in the margin For Examiner's Use.
- Answer **all** questions.
- If working is needed for any question it must be shown below, or where working is indicated.
- The number of marks is given in brackets [] at the end of each question or part question.
- Non-programmable calculators may be used.
- If the degree of accuracy is not specified in the question, and if the answer is not exact, give the answer to **three** significant figures. Give answers for angle sizes to **one** decimal place.
- For π , either use your calculator value, or use 3.142.

| For Examiner's Use | | | |
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This document consists of **10** printed pages and **2** blank pages.



Republic of Namibia

MINISTRY OF EDUCATION, ARTS AND CULTURE

| 1 | Work out $\sqrt[3]{27}$ + | 12 ² . | 2 | | | For Examiner's Use |
|---|--|------------------------------|-------------------|--|-----|--------------------------|
| | | | Answer | | [1] | |
| 2 | 1, -18, -4, | 7, $\sqrt{14}$, $\sqrt{16}$ | | | | - |
| | From the list of numbers, write down | | | | | |
| | (a) the smallest inter | eger, | | | | |
| | Answer (a) | | | | [1] | |
| | (b) the value of 7 [°] , | | | | | |
| | | | Answer (b) | | [1] | |
| | (c) an irrational nui | mber. | | | | |
| | | | Answer (c) | | [1] | |
| 3 | Complete the follow | ring table. | | | | |
| | Fraction | Decimal | Percentage | | | |
| | <u>5</u> 8 | (a) | 62.5% | | | |
| | (b) | 0.15 | 15% | | | |
| | <u>9</u> 200 | 0.045 | (c) | | | |
| | | | | | [3] | |
| 4 | Evaluate 2^{-4} and wr | ite your answer as a | fraction. | | | - |
| | | · | | | | |
| | | | | | | |
| | | | Answer | | [1] | |
| 5 | Find the value of xy if $y = 5$ and $x = -3$. | | | | | |
| | | | | | | |
| | | | | | | |
| | | | Answer | | [1] | |

2





4324/1/18







| 21 | A straight line has the equation $y = 3x + 7$. (a) Write down the gradient of the line. | | | | |
|----|--|--|--|--|--|
| | (b) Make <i>x</i> the subject of the formula in $y = 3x + 7$. | | | | |
| | Answer (b) <i>x</i> =[2] | | | | |
| 22 | Seven people were asked to guess the number of sweets in a bottle. Their guesses were 250, 192, 210, 187, 238, 214, 192. (a) Write down the mode. Answer (a) | | | | |
| | Answer (b) [2] (c) Calculate the mean. | | | | |
| | Answer (c) [2] | | | | |

23 The bar chart shows the results of a test taken by 30 students.





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