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| *School Name*  *Mathematics Test 2017* | | | |
| Year 8 | | *Indices* | Non Calculator  Section |
| **Skills and Knowledge Assessed:**   * Investigate index notation and represent whole numbers as products of powers of prime numbers (ACMNA149) * Use index notation with numbers to establish the index laws with positive integral indices and the zero index (ACMNA182) | | | Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Answer all questions in the spaces provided on this test paper by:  *Writing the answer in the box provided.*  or  *Shading in the bubble for the correct answer from the four choices provided.*  Show any working out on the test paper.Calculators are **not** allowed. | | | |
|  |  | | |
|  | Write  as a repeated multiplication. | | |
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|  |  | | |
|  | Write the answer to  in index notation. | | |
|  | Simplify | | |
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|  | Simplify | | |
|  | Evaluate | | |
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|  | Simplify | | |
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|  | Simplify | | |

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| *School Name*  *Mathematics Test 2017* | | | |
| Year 8 | | *Indices* | Calculator Allowed  Short Answer Section |
|  | | | Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Answer all questions in the spaces provided on this test paper by:  *Writing the answer in the box provided.*  or  *Shading in the bubble for the correct answer from the four choices provided.*  Show any working out on this test paper. Calculators are allowed. | | | |
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| *School Name*  *Mathematics Test 2017* | | |
| Year 8 | *Indices* | Non Calculator Section |

ANSWERS

| Question | Working and Answer |
| --- | --- |
|  | **2nd Answer** |
|  |  |
|  | **3rd Answer** |
|  |  |
|  | **4th Answer** |
|  |  |
|  |  |
|  | **1st Answer** |
|  |  |
|  | **4th Answer** |
|  |  |
|  | **2nd Answer** |
|  |  |
|  | **2nd Answer** |
|  | **3rd Answer** |
|  |  |
|  | **1st Answer** |
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|  | **3rd Answer** |
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| *School Name*  *Mathematics Test 2017* | | |
| Year 8 | *Indices* | Calculator Allowed  Short Answer  Section |

ANSWERS

|  |  |
| --- | --- |
| Question | Working and Answer |
|  | **4th Answer** |
|  | **3rd Answer** |
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|  | **2nd Answer** |
|  | **1st Answer** |
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|  | **2nd Answer** |
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|  | **2nd Answer** |
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|  | **3rd Answer** |
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|  | **3rd Answer** |
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|  | **1st Answer** |
|  | **4th Answer** |
|  |  |
|  | **1st Answer** |
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