**Name:**

**Block:**

Logo, company name

Description automatically generated

**Exponent - Small Number, with Big Power!**

**Math 9 - Block C & D**

**Power & Exponent Law v1.0**

|  |  |
| --- | --- |
|  |  |
| Written | /35 |
| Total | /35 |

|  |
| --- |
| **Additional Instructions**   * Remember to write your name on your test, in the top left corner where it says **Name:** and also write your name on the answer sheet(s) provided. * All written questions are to be completed in the space provided in the exam booklet. Be sure to show any relevant work and circle your final answer. * It’s dangerous to go alone...Take This |

1. About the power: , figure out which number is Base, and which number is Exponent (2 marks)
2. Fill in the Table (3 marks)

|  |  |  |
| --- | --- | --- |
| **Power** | **Repeated Multiplication** | **Standard Form** |
| 42 |  |  |
| -53 |  |  |
| (-5)3 |  |  |

1. Determine if the powers are positive or negative (2 marks)
2. b.
3. Re-write Numbers below Using Scientific Notation (2 marks)
4. 34600 b. 5432
5. Re-write number with Powers of Ten (2 marks)
6. 64702 b. 30040
7. Simplify and evaluate the following expression (2 marks each)

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1. Simplify the following expression to the **simplest standard form** (2 marks each)