**Exponential Form**

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| **Vocabulary** | | **Labeled Example** |
| Base |  |  |
| Exponent |  |
| Expression |  |
| Equivalent |  |

**Write each of these expressions in exponential form.**

1. **9**

**Determine the value of each of these expressions.**

1. **for n = 5**

**Simplify each expression.**

**Application**

To find the sum of the first *n* positive numbers you can use the formula

What is the sum of the first 7 positive numbers?

What is the sum of the first 30 positive numbers?