

**Exercise 1**

- (a) Using exponential notation, we can write the product  $5 \cdot 5 \cdot 5 \cdot 5 \cdot 5 \cdot 5$  as \_\_\_\_\_.
- (b) In the expression  $3^4$  the number 3 is called the \_\_\_\_\_, and the number 4 is called the \_\_\_\_\_.
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**Solution**

Using exponential notation, we can write the product  $5 \cdot 5 \cdot 5 \cdot 5 \cdot 5 \cdot 5$  as  $5^6$ .

In the expression  $3^4$  the number 3 is called the base, and the number 4 is called the exponent (or power).