

Lesson 1e: Place Value and Exponents

Objective: Students will read and write numbers through hundred thousands with exponents.

Complete on a separate piece of paper and turn in to basket. **Not** in your journal.

Warm-up:

Write the value of the underlined digit.

1. 2.619

3. 24.275

2. 503.179

4. 38.96

Compare. Write >, <, or = for each space.

5. 0.7 _____ 0.008

6. 1.475 _____ 1.494

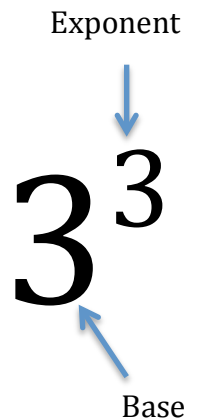
Round to the place of the underlined digit.

7. 0.343

8. 0.635

Vocabulary:

1. **Base** – the factor that is repeated in the product.
2. **Exponent** – shows the number of times the base is used as a factor.
3. **Power of ten** – number of times 10 is multiplied.



Number	Expanded notation	Read	Standard form
6^3	$6 \times 6 \times 6$	Six to the third power	216
10^4	$10 \times 10 \times 10 \times 10$	Ten to the third power	10,000

Watch PowerPoint – Exponents

Practice:

1. Complete exponent worksheet (table)
2. http://www.eduplace.com/math/mw/practice/5/practice/1_2.pdf

App on the iPad – That Quiz Math

- **Settings:**
 - integers
 - exponents
 - Length - 20
 - Levels 2-4



Homework: Complete worksheet: place value (1.2)

http://www.eduplace.com/math/mw/practice/5/homework/1_2.pdf