Daily Review

- Plot the following points on a coordinate plane: (-3, 2), (2, 4), and (0,0).

- If 12 apples cost $2, how much do 8 apples cost?

- Order from least to greatest: 4, 0, -3, -10

- What is the absolute value of -4?

Housekeeping

- Use your notes!

- iPads

- Bring a book to class!

- Raise your hand!

- Review policies and procedures

Exponents

- An Tells how many times a number called the base is used as a factor.

- Numbers are written in exponential when they are written with a base and an exponent.

- Shows repeated multiplication

- Used for really big or small numbers so you don't have to write as much

What That Means

Exponential Form	Read	Multiply	Value
10^1	"10 to the 1st power"	10	10
10^2	"10 squared," or "10 to the 2nd power"	10 × 10	100
10^3	"10 cubed," or "10 to the 3rd power"	10 × 10 × 10	1,000
10^4	"10 to the 4th power"	10 × 10 × 10 × 10	10,000

Examples

1 Write each expression in exponential form.

1. $8 \times 8 \times 8$ 2. 7×7 3. $6 \times 6 \times 6 \times 6 \times 6$

4. $4 \times 4 \times 4 \times 4$ 5. $5 \times 5 \times 5 \times 5 \times 5$ 6. 1×1

2 Find each value.

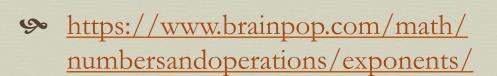7. 4^2 8. 3^3 9. 5^4 10. 8^2 11. 7^3

Note: Anything with an exponent of 0 is one.
Anything with an exponent of 1 is just the
number.

Videos

- https://www.brainpop.com/math/numbersandoperations/exponents/

  - Just first two minutes

Reminders

- Homework: Worksheet, Front and Back, ODDS ONLY

    - Some on the front include negative numbers, but you don't have to do any math with them

- Study Guide due Thursday