

# Lesson 8.1: Positive and Negative Exponents

## Targets

1. I can evaluate any power with positive and zero exponents
2. I can evaluate any power with negative exponents

## Introduction to Exponents

Watch this video and copy the notes here:

## Raising a number to the 0 and 1st power

Watch this video and copy the notes here:

## Powers of Fractions

First attempt this problem on your own. Then watch the video and copy his notes.

Your attempt:

$$\left(\frac{2}{3}\right)^3 =$$

$$\left(\frac{4}{9}\right)^2 =$$

Video Notes:

$$\left(\frac{2}{3}\right)^3 =$$

$$\left(\frac{4}{9}\right)^2 =$$

## Khan Activity: Whole Number Exponents with Integer Bases 2

Complete this activity on Khan.

## **Negative Exponents**

Watch this video and copy the notes here:

### **Khan Activity: Positive and Negative Exponents**

Complete this activity on Khan.

### **Exit Ticket**

1. Have all your notes filled out above.
2. Complete the following Khan Academy Activities:
  - a. Whole Number Exponents with Integer Bases 2
  - b. Positive and Negative Exponents