

Math Lesson 2

Instructor:

Time: 30-35 Minutes

How to Read a Micrometer and a Dial Caliper

Lesson Goal: Students will be able to identify and understand how to use a micrometer and a dial caliper. Students will be able to read and apply decimals to a measuring device.

Materials:

1. Caliper, Micrometer
2. Handouts
3. Homework

Performance Objectives:

1. Review decimals and their relationship as a number.
2. Comprehend concepts of measurement.
3. Understand the use of a precision measuring device.
4. Effectively use a micrometer and a dial caliper to measure length.

Teaching Activities:

1. Review decimals and their role in measurement.
2. Review converting fractions to decimals and reverse.
3. Introduce a micrometer and a dial caliper as measuring implements.
4. Explain the reasons for measuring devices.
5. Break down the English measuring system to 0.001 of an inch.
6. Provide and assist with handouts.
7. Complete class activity.
8. Check student progress for mastery.
9. Assign homework.

Student Activities:

1. Examine the various measuring devices.
2. Participate in class discussion.
3. Complete class activity.
4. Ask questions as needed.

Reflections on the Lesson:

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Measurement Activity

Directions: Choose a measuring device and different items around the classroom or your home. Write down what the item is and measure each side of the object to the nearest 0.001 of an inch.

Item#1:

Item#2:

Item#3:

Item#4:

Item#5:

Item#6:

Item#7:

Item#8:

Item#9:

Item#10: