

Lesson #3: Measuring with a Ruler

Objectives

Students will be able to...

- Use both standard units in determining given lengths using a ruler.

Common Core Standards

Number Sense 1.2, 1.3, & 3.1
Cabinet Making and Wood Products Pathway 1.4
G-MG 1, 3
RSIT 11-12.2
WHSST 11-12.9
Technical Knowledge and Skills 10.2
CTE Pathway D2.1
Demonstration and Application 11.1

Materials

Reading Fractions on a Ruler Tips
YouTube Video https://www.youtube.com/watch?v=88HC07E_ugk&feature=youtu.be
Reading a Tape Measure Worksheet
The Inch worksheet

Lesson Sequence

- Review yesterday's practice worksheet-Identify Standard Measurements (10 minutes)
- **Review Reading Fractions on a Ruler Tips.** (5 minutes)
- Watch the [YouTube video](https://www.youtube.com/watch?v=88HC07E_ugk&feature=youtu.be) https://www.youtube.com/watch?v=88HC07E_ugk&feature=youtu.be (3 minutes)
- Complete **The Measuring Standard Measurements** worksheet by measuring the lines and recording the answers. Compare answers as a class and support students as needed. (10 minutes)
- Have students complete **The Inch Worksheet** independently. Collect before students leave class.

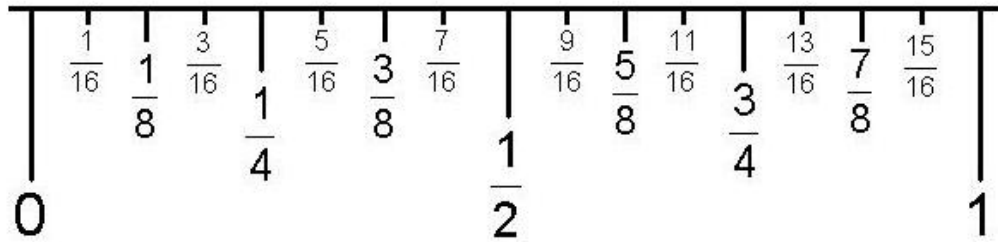
Assessment

Use scores from the Inch worksheet to see if students are grasping the concept.

Accommodations/Modifications

Visuals
Check for understanding
1 on 1 support

Reading Fractions on a Ruler



TIP #1: The best thing to do is to memorize the lines. There really aren't that many when you figure that you already know 1/4", 1/2" and 3/4".

TIP #2: When in doubt, just count the lines (don't count zero), put your answer over 16 and reduce if you can.

TIP #3: The biggest complaint we hear from employers is that their new workers can't read a tape measure. You can do it!

Measuring Standard Measurements

Directions: Using the Standard side of your ruler, measure the following lines. Write each measurement in the space provided.

1) _____



2) _____



3) _____



4) _____



5) _____



6) _____



7) _____



8) _____



9) _____



The Inch Worksheet

Directions: Measure the following lines using your ruler. Record the length above the line.

