Measuring Objects

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Description:

Almost all shop projects require accurate measuring.

Common Measuring Tools:

Study the tools below. You should be able to identify these by name.

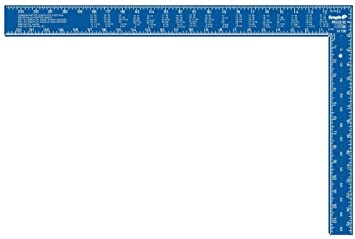
Steel Tape



Combination Square



Outside Calipers

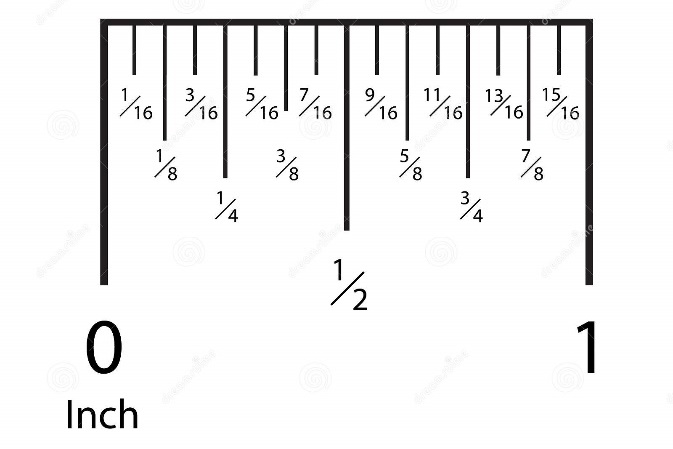


Framing Square



Fiberglass Tape

## Measurement Scale:



## What’s in the Box?

## Materials:

5 – unknown items (labeled A-E)

## Tools:

Steel Tape

Combination Square (optional)

## Procedure:

1. Review the measuring scale. Note how the line length varies.
2. Find the following on the tape:
   1. 1 ¾”
   2. 5 ½”
   3. 7 ¼”
   4. 10 1/8”
   5. 4 3/16”
3. Compare your measurements to those in the photos below.



1. Complete the table below by measuring the items in the box.

|  |  |  |  |
| --- | --- | --- | --- |
| Letter | Description | What to measure | Measurement |
| A |  |  |  |
| B |  |  |  |
| C |  |  |  |
| D |  |  |  |
| E |  |  |  |

Teacher’s Notes

The number of items to measure can be varied. Multiple sets can be used (identify so you can keep a key). Below is an example:

|  |  |  |  |
| --- | --- | --- | --- |
| Letter | Description | What to measure | Measurement |
| A | Plywood | Thickness, length and width to nearest ¼” | ½” x 6 ½” x 8” |
| B | Pine board | Length to nearest 1/8” | 12 3/8” |
| C | Fir | Thickness, length and width to nearest ¼” | 1 ½” x 3 ½” x 4 ½” |
| D | Sheet metal | Length and width to nearest 1/16” | 3 3/16 x 4 ½” |
| E | Bolt | Diameter to nearest 1/6” | 3/8” |

