Measuring Using a Ruler

Many rulers are designed with a starting point just inside the ruler marked with a line, sometimes identified with a zero. Other rulers starting point is the edge of the ruler. Before taking measurements, the ruler being used should be identified as having the edge or a line just inside the rule for better accuracy as the starting point. Before passing out rulers to students, it might be wise to check them to determine if they are all the same.

The rulers with the following worksheets will use the edge as the starting point.

With initial learning, breaking the rulers into 16^{ths} or 8^{ths} might overload students. The attached worksheets begin with just inch marks having students measuring to the nearest inch. Those worksheets are then followed by rulers broken into half in segments and students are asked to measure to the nearest half inch.

Students should notice that the vertical segments identifying inches are all the same length. They should also notice that all the vertical lines identifying half (½) inches are all the same length but shorter than the vertical segments identifying inches.

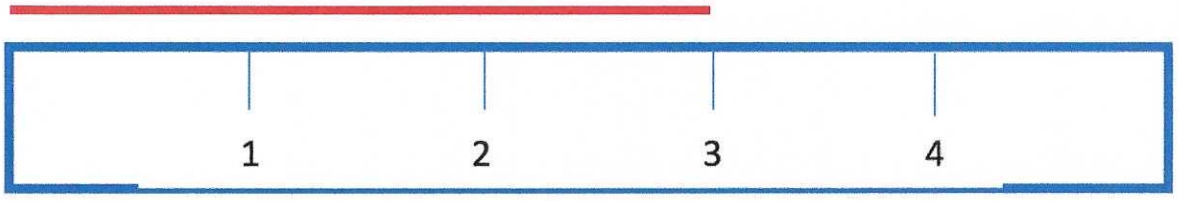
The third set of ruler measurements identify quarter inches, which are half the length of half inches. Again, students should notice the vertical segments representing quarter (¼) inches are all the same length but shorter than the half inch segments.

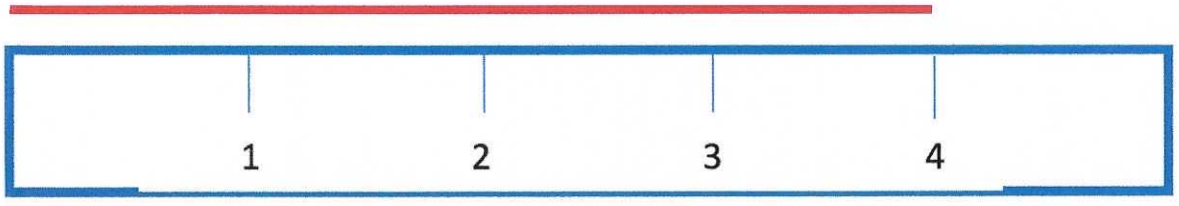
After students progress through measuring to the nearest inch, half inch, and quarter inches, have students use rulers and draw lines of various lengths.

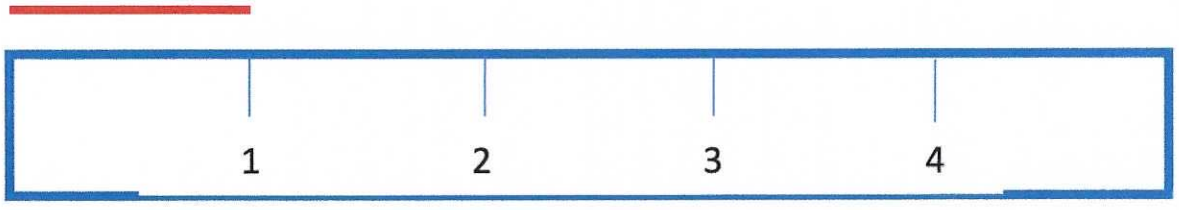
1 Inch Ruler

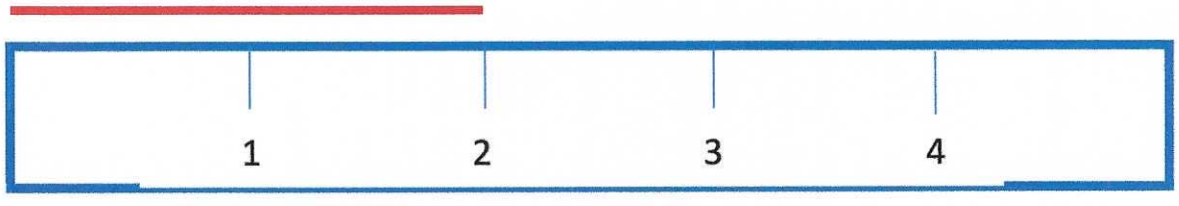
Measure each line to the nearest inch.

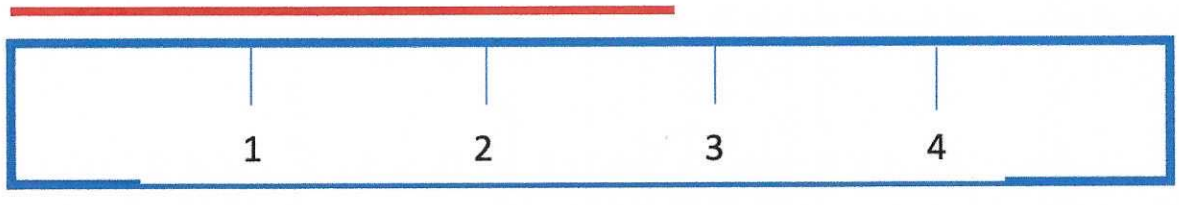
Name_____



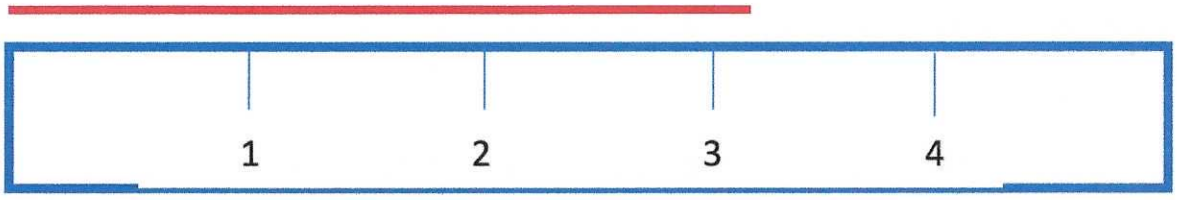


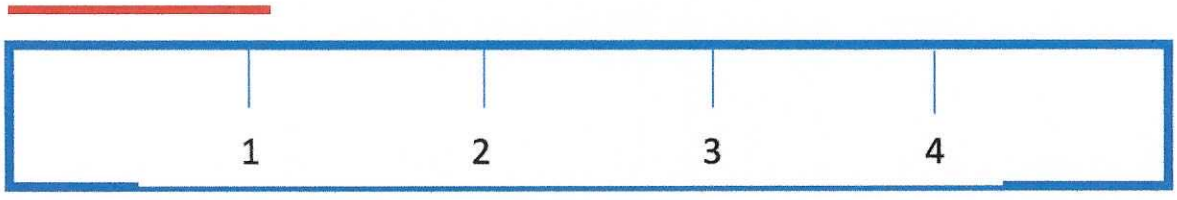


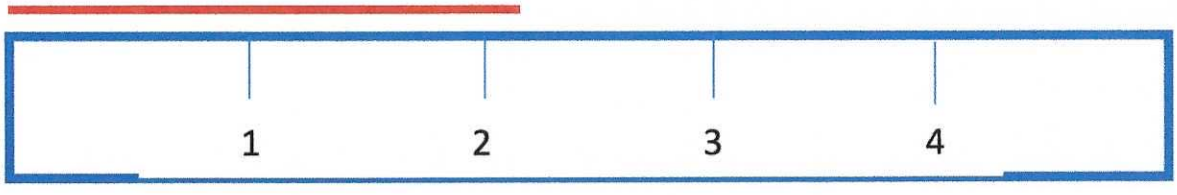


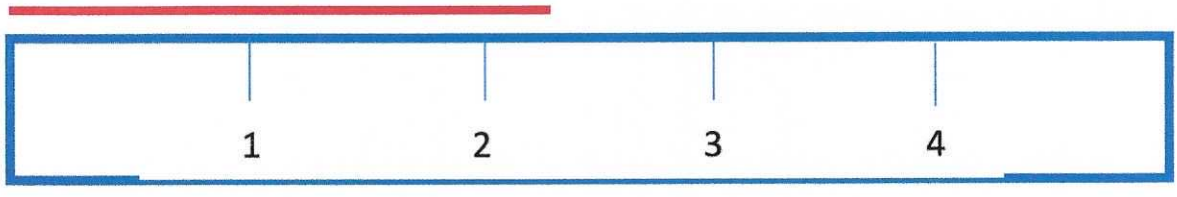


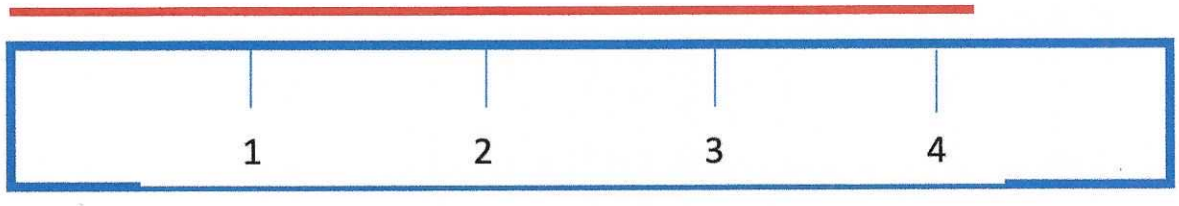
1 Inch Ruler







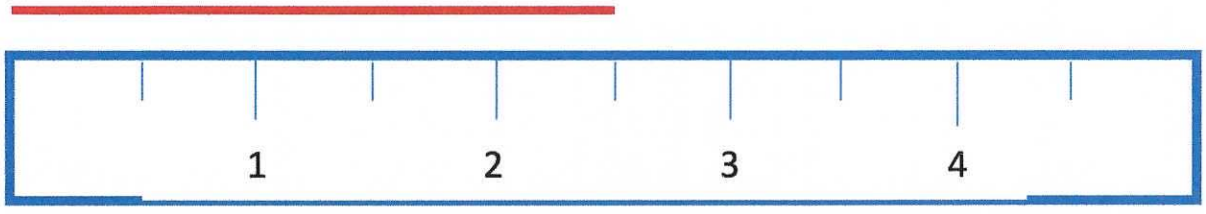


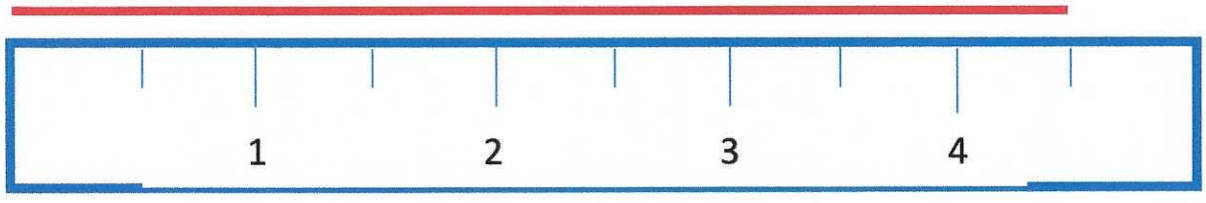


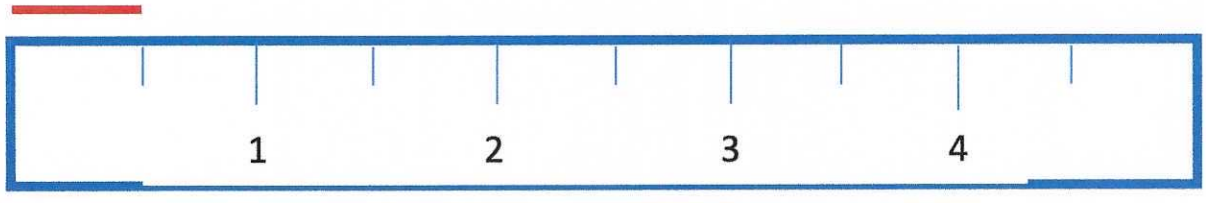
Half Inch Ruler

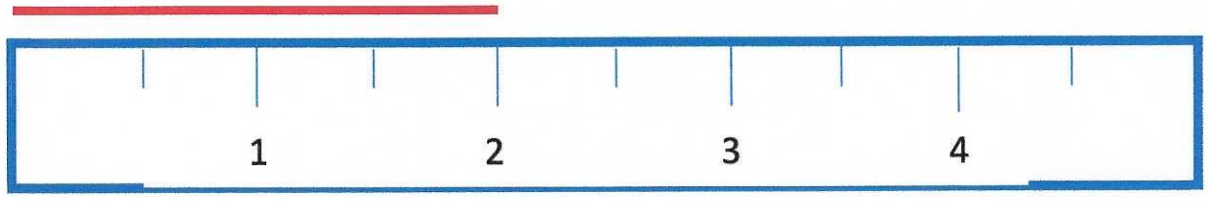
Measure each line to the nearest half inch.

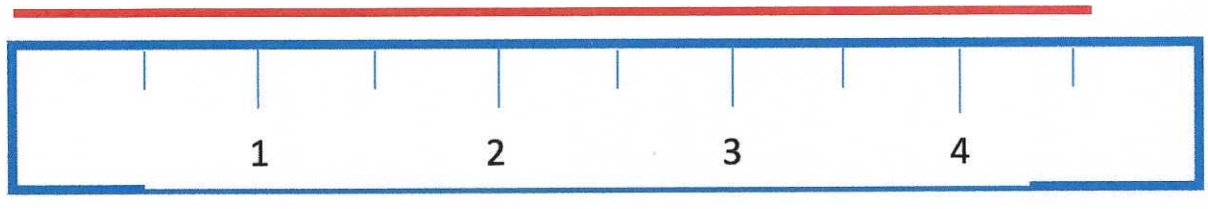
Name _____



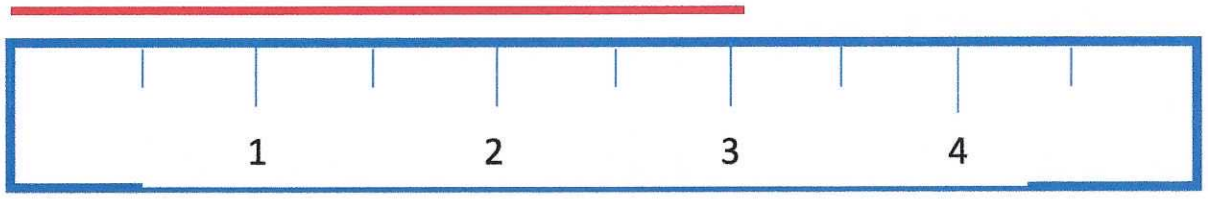


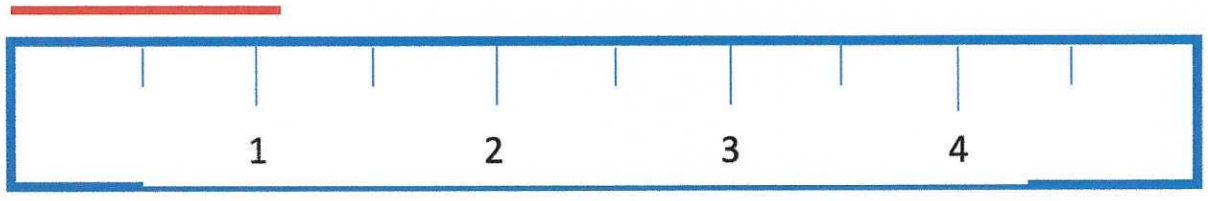


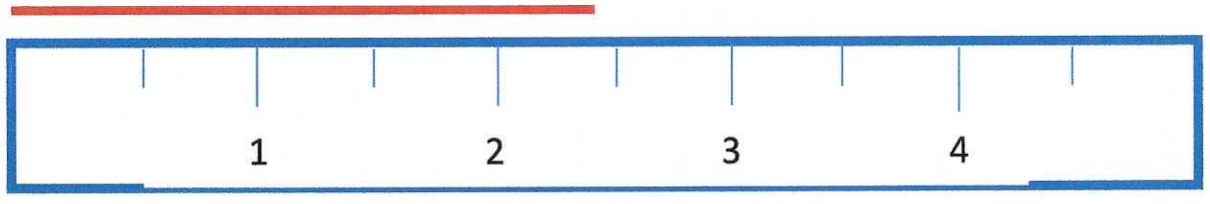


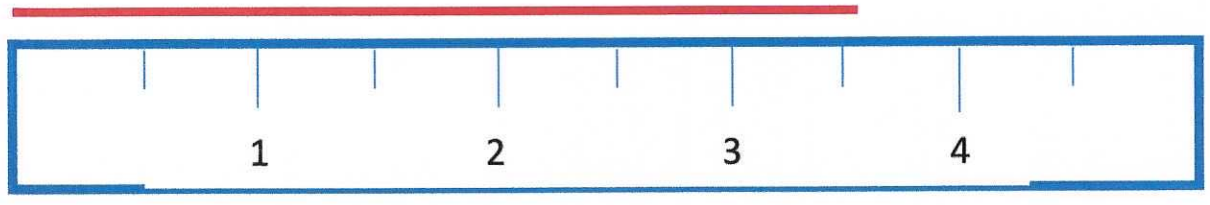


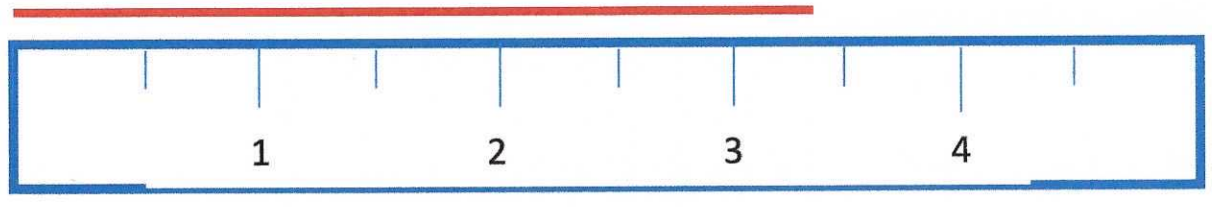
Half Inch Ruler

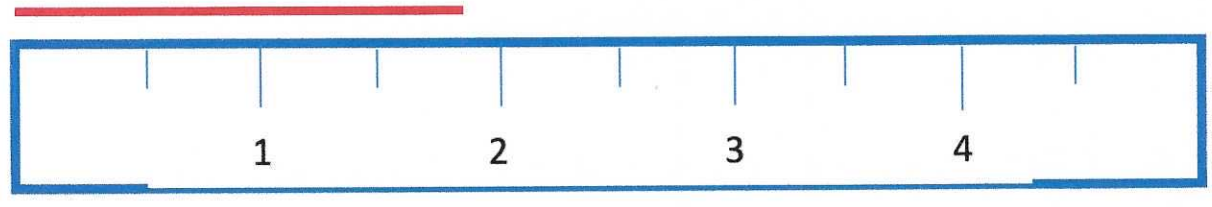








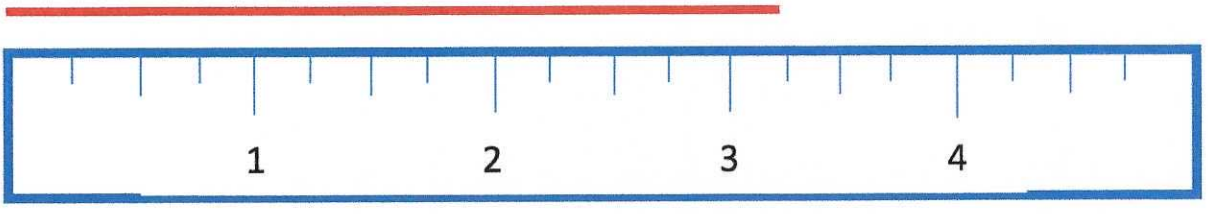


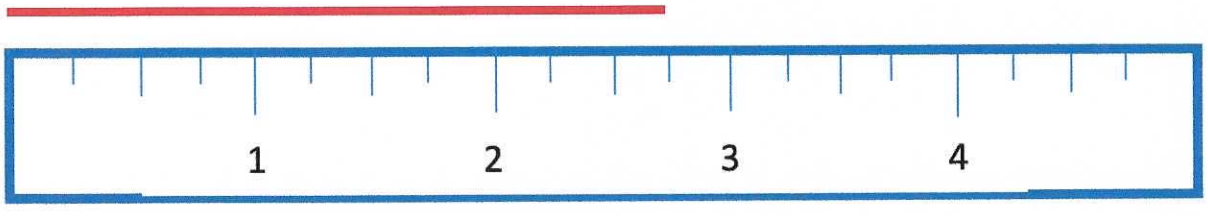


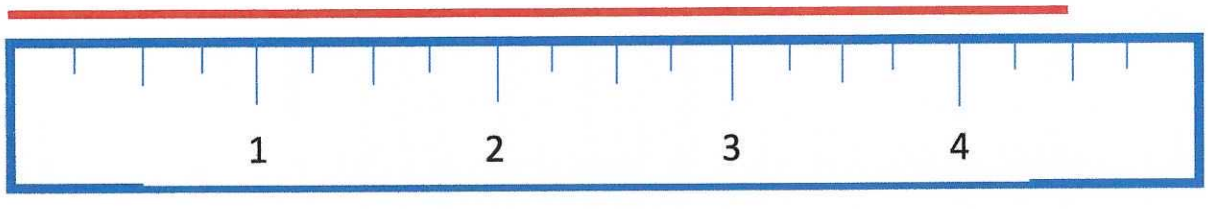
Quarter Inch Ruler

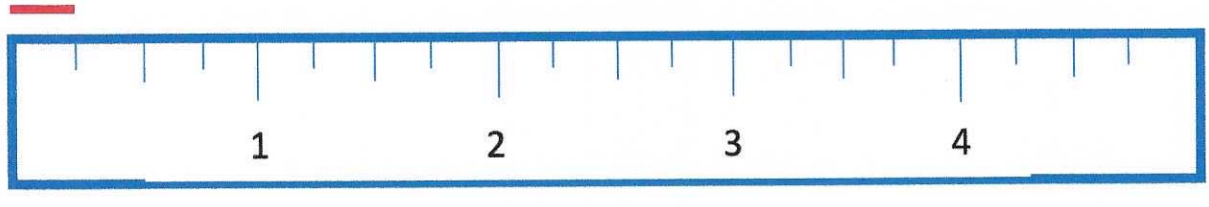
Measure each line to the nearest quarter inch.

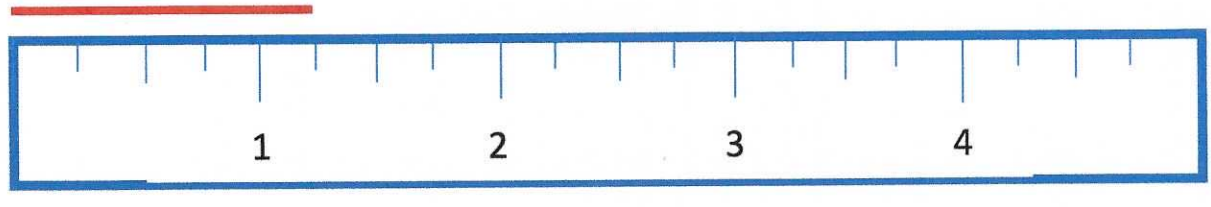
Name _____











Quarter Inch Ruler