Making a Colorband Ruler

You will create your own Colorband Ruler and use it along with a standard inch ruler to help you measure items.

**Whole Inches**

1. Take your graph paper strip and draw a **blue** line every 1 inch. (You can cut off partial ends)

2. On the top row of squares, color every other 1 inch section **blue and red**.

How many small squares long is each 1 inch section?_______________

3. Measure your pencil to the “closest” or “nearest” whole inch.

   My pencil measures _______________ whole inches.
Half Inches (½ in.)

1. On the next row of squares, draw a green line one half way between each inch (measure ½-inch increments, or 2 squares per inch.)

2. Color every other ½-inch segment green and orange.

3. Match up the green and orange parts of your Colorband Ruler strip to your standard ruler.

   Can you find the ½-inch marks on the ruler?

4. Measure your pencil to the nearest ½ inch.

   My pencil measures __________________ inches.

   Write as a whole number and a fraction (mixed number), if needed.

   Could it be at the whole inch mark? __________ (yes or no).

   Discuss with your partner why.
Quarter inches (¼ in.)

1. Color the third row of ¼-inch squares straight across all yellow.

2. Match up the yellow squares of your Colorband Ruler to your standard Ruler.

Can you find the ¼-inch markings on the ruler?

3. Measure your pencil to the nearest ¼ inch.

My pencil measures ________________ inches.

Write as a whole number and a fraction (mixed number), if needed.

You can tape your Colorband Ruler on top of your standard ruler to help you better see the ½- and ¼-inch markings.