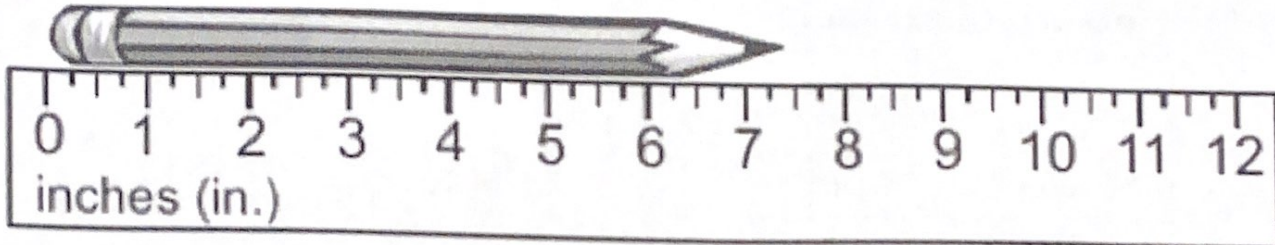## Focus: MAFS.3.MD.2.4

Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch. Show the data by making a line plot, where the horizontal scale is marked off in appropriate units – whole numbers, halves, or quarters.

Let Me Teach Ya! (Video Lesson)
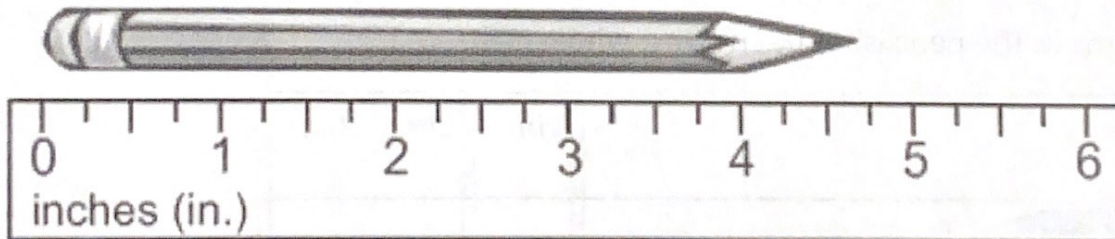
Example 1:

A pencil is shown.

Part A: What is the length of the pencil to the whole inch?

Part B: What is the length of the pencil to the nearest half inch?

Item Type: Equation Editor

Example 2:

A pencil is shown.

What is the length of the pencil to the nearest quarter inch?

Item Type: Equation Editor

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Generate measurement data by measuring lengths using rulers marked with halves and fourths of an ᵢₙₑₕ ....
where the horizontal scale is marked off in appropriate units – whole numbers, halves, or quarters.
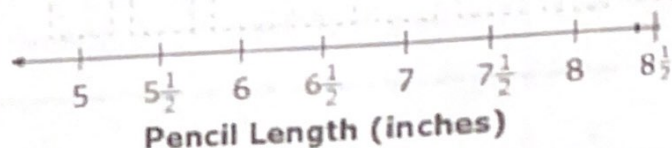
Let Me Teach Ya! (Video Lesson)

Example 3:

The lengths of several pencils are shown.

Pencil Length (inches)	
Pencil 1	$6\frac{1}{2}$
Pencil 2	7
Pencil 3	$8\frac{1}{2}$
Pencil 4	5
Pencil 5	$6\frac{1}{2}$
Pencil 6	$8\frac{1}{2}$

Click in the boxes to create a line plot that shows these data.

Pencil Length (inches)

5   $5\frac{1}{2}$ 6 $6\frac{1}{2}$ 7 $7\frac{1}{2}$ 8 $8\frac{1}{2}$

Item Type: GRID

Example 4:

Select all of the statements that correctly describe the data from Example 3:

a.   There are 3 pencils are 7 inches long.
b.   There are 2 pencils are $8\frac{1}{2}$ inches long.
c.   There are more pencils that are $6\frac{1}{2}$ inches long than 5 inches long.
d.   There are more pencils that are 7 inches long than 5 inches long.
e.   There fewer pencils that are 7 inches long than $8\frac{1}{2}$ inches long.

Item Type: Multi-Select

Example 5:

Match the lengths of the pencils to the nearest whole inch.

	1in.	2in.	3in.
0 1 2 3 4 5 6 inches (in.)			
0 1 2 3 4 5 6 inches (in.)			
0 1 2 3 4 5 6 inches (in.)			

Item Type: Matching Item
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