

Luna's Space Adventure

Grade 3 · Measuring to $\frac{1}{4}$ inch · 3.MD.B.4

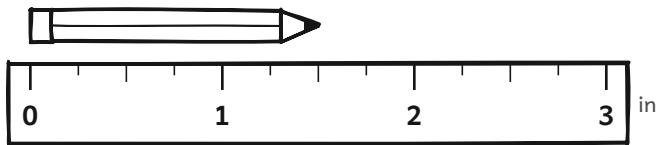
Name _____

Date _____

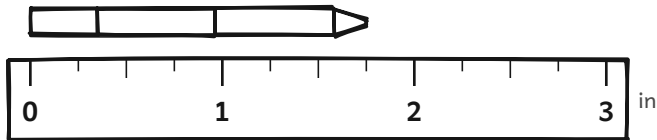


Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

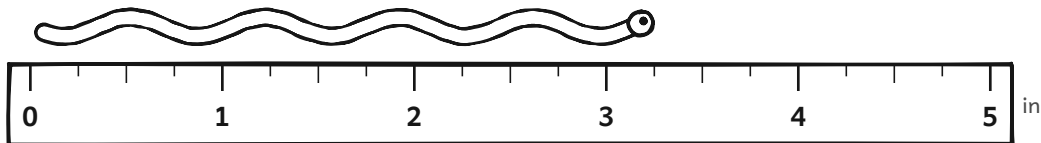
Measure to the quarter inch Count the whole inches, then the little parts.



inches



inches



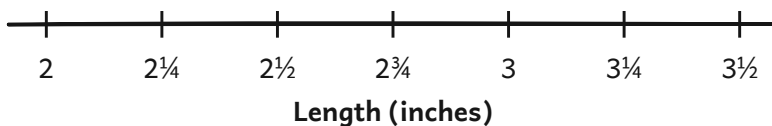
inches

Line plot Put an X for each length.

2, $2\frac{1}{4}$, $2\frac{1}{4}$, $2\frac{1}{2}$, $2\frac{3}{4}$, 3, 3, $3\frac{1}{2}$, $3\frac{1}{2}$, $3\frac{1}{2}$

How many are $2\frac{1}{2}$ inches? _____

How many were measured? _____



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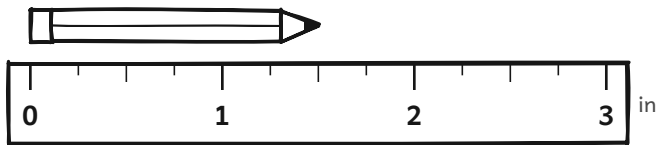
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ANSWER KEY

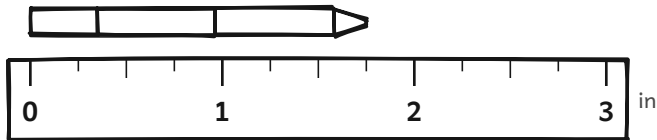


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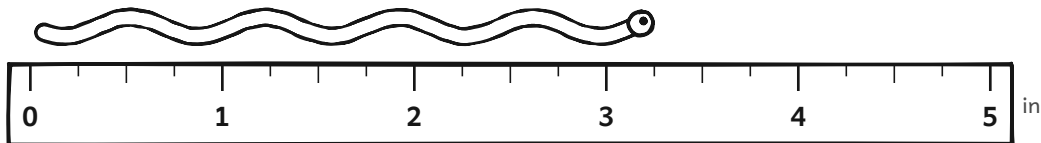
Measure to the quarter inch Count the whole inches, then the little parts.



$1\frac{1}{2}$ inches



$1\frac{3}{4}$ inches



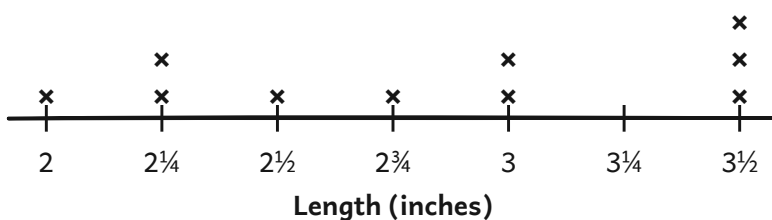
$3\frac{1}{4}$ inches

Line plot Put an X for each length.

2, $2\frac{1}{4}$, $2\frac{1}{4}$, $2\frac{1}{2}$, $2\frac{3}{4}$, 3, 3, $3\frac{1}{2}$, $3\frac{1}{2}$, $3\frac{1}{2}$

How many are $2\frac{1}{2}$ inches? 1

How many were measured? 10



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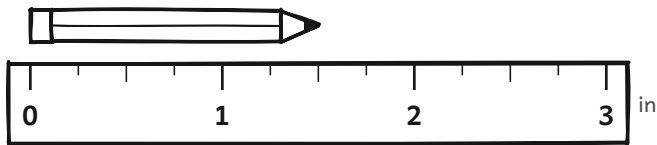
GUIDE

① What this sheet practises

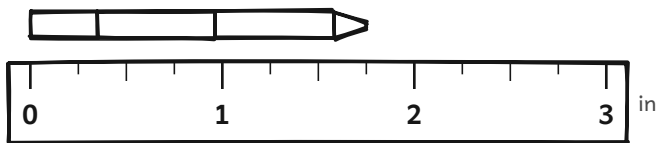
Measuring lengths to the nearest half and quarter inch, and showing the measurements on a line plot.

② A problem from the sheet, worked out

Measure to the quarter inch Count the whole inches, then the little parts.



$1\frac{1}{2}$ inches



$1\frac{3}{4}$ inches

How: Line the object up with 0. Count the whole inches, then the small spaces after the last whole inch: each is a quarter, and two quarters make a half.

③ Words to know

inch a unit of length

half inch halfway between two whole inches

quarter inch one of four equal parts of an inch

line plot a number line with an X for each measurement

④ Watch for

- Starting from the end of the ruler instead of 0.
- Counting the marks instead of the spaces between them.
- Writing 3.3 for three and three quarters.

⑤ Where it fits

BEFORE

2.MD.D.9

Measure lengths and show the results on a line plot.

THIS SHEET

3.MD.B.4

Measure to the nearest half or quarter inch and make a line plot.

NEXT

4.MD.B.4

Make line plots with fractional measurements and use them to solve problems.

⑥ Helping at home

Measure small things together, like a crayon or a spoon, to the nearest quarter inch.