Line Plots and Fractions
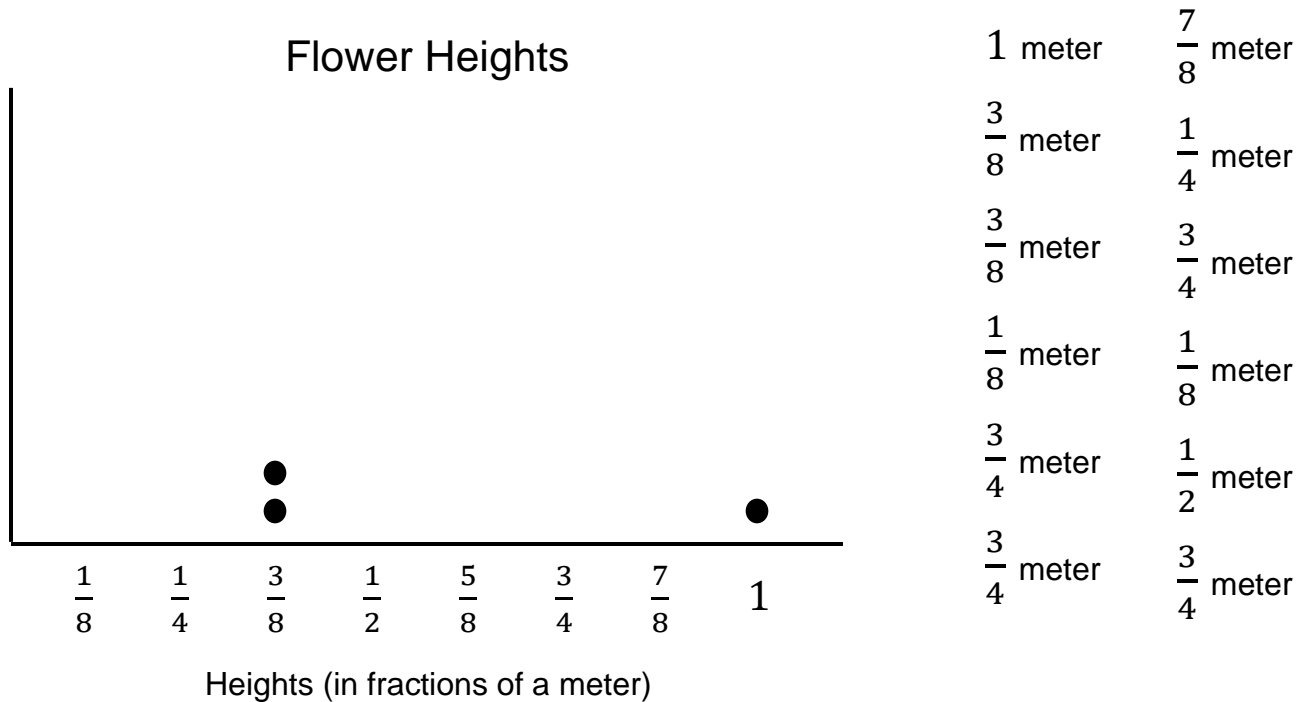
Topic: CCSS.MATH.CONTENT.5.MD.B.2 – Make a line plot to display a data set of measurements in fractions of a unit (1/2, 1/4, 1/8). Use operations on fractions for this grade to solve problems involving information presented in line plots.

<u>**Instructions**</u>**: Make a line plot with the measurements given by drawing a dot above the correct fraction on the plot, then *answer* the questions that follow. The first 3 numbers in the set are plotted for you.**

Flower Heights

Heights (in fractions of a meter)

1 meter	$\frac{7}{8}$ meter
$\frac{3}{8}$ meter	$\frac{1}{4}$ meter
$\frac{3}{8}$ meter	$\frac{3}{4}$ meter
$\frac{1}{8}$ meter	$\frac{1}{8}$ meter
$\frac{3}{4}$ meter	$\frac{1}{2}$ meter
$\frac{3}{4}$ meter	$\frac{3}{4}$ meter

1) How many flowers are…

    a) $\frac{3}{4}$ meter tall? _____

    b) $\frac{1}{4}$ meter tall? _____

    c) Under $\frac{1}{2}$ meter tall? _____

2) What is the most common height in the given set of measurements?

3) What is the least common height in the given set of measurements?