MY Homework

Lesson 8

Display Measurement Data on a Line Plot

Homework Helper

eHelp

Need help? **connectED.mcgraw-hill.com**

The zoo lists the weights of several animals in the table. Make a line plot of the weights in the table.

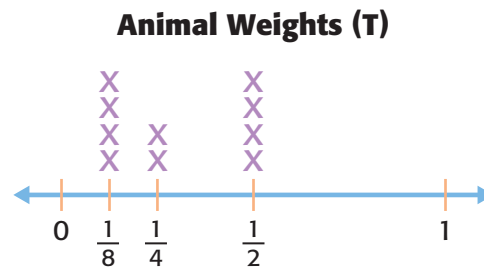| Animal Weights (T)				
$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{8}$	$\frac{1}{8}$	$\frac{1}{2}$
$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$

1 Count the number of times each fraction appears in the table.

$\frac{1}{8}$ appears 4 times.

$\frac{1}{4}$ appears 2 times.

$\frac{1}{2}$ appears 4 times.

2 Place the correct number of Xs above each fraction on the number line.

Animal Weights (T)

3 Then, use the title from the table to add a title to the line plot.

Practice

Refer to the Homework Helper to answer Exercises 1 and 2.

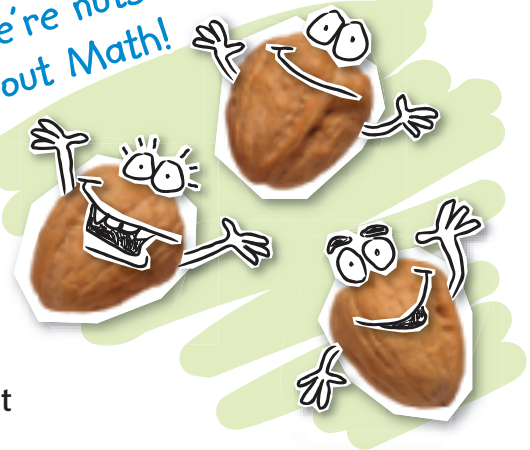**1.** Which weight(s) occurred the most often?

_____

2. Find the fair share.

_____

Problem Solving

3. Make a line plot of the measurements in the table.

Amount of Cashews (lb)					
$\frac{1}{2}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{4}$	$\frac{1}{2}$	$\frac{3}{4}$
$\frac{1}{2}$	$\frac{1}{2}$	$\frac{3}{4}$	$\frac{1}{4}$	$\frac{1}{4}$	$\frac{3}{4}$

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We're nuts about Math!

4. Refer to the table in Exercise 3. What is the fair share, in pounds, of the cashews?

_____

Mathematical
5. **PRACTICE** 5 **Use Math Tools** Explain how you can mentally find the sum of the fractions in Exercise 3 without actually performing the calculations.

_____

_____

_____

Vocabulary Check Vocab

6. Fill in the correct circle that corresponds to the best answer. Which of the following could be used to find the amount each person would receive if it was divided equally?

(A) fair share   (C) length

(B) customary system   (D) weight

Test Practice

7. Which is the correct fair share for the measurements shown in the line plot?

(A) $\frac{1}{6}$ mile   (C) $\frac{1}{2}$ mile

(B) $\frac{1}{3}$ mile   (D) $\frac{2}{3}$ mile

Hiking Distance (mi)

```
                    X   X
        X       X   X   X
        X   X   X   X   X
  ⟵─────┼───┼───┼───┼───────────┼─⟶
  0     1   1   1   1           1
        8   4   3   2
```