During a class field trip to the movies, each student bought a bag of bulk candy. The following are the bags of candy measured to <u>the nearest eighth</u> of a pound. Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound = $\frac{2}{8}$

$\frac{3}{4}$ pound = $\frac{6}{8}$

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound = $\frac{6}{8}$

1 pound

$\frac{1}{4}$ pound = $\frac{2}{8}$

$\frac{1}{2}$ pound = $\frac{4}{8}$

$1\frac{1}{8}$ pounds

$1\frac{1}{4}$ pounds $1\frac{2}{8}$

$\frac{5}{8}$ pound

$1\frac{1}{4}$ pounds = $1\frac{2}{8}$

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound = $\frac{6}{8}$

$\frac{1 \times 2}{4 \times 2} = \frac{2}{8}$

$\frac{3 \times 2}{4 \times 2} = \frac{6}{8}$

$1\frac{1}{2}$ pounds

$\frac{3}{4}$ pound = $\frac{6}{8}$

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

$\frac{3}{8}$ pound

$\frac{5}{4}$

$\frac{7}{8}$ pound

$\frac{1}{4}$ pound = $\frac{2}{8}$

$\frac{3}{8}$ pound

1 pound

Use your line plot created in the task *Bulk andy Part One* or the information presented in the line graph *Bulk Candy Part Two*, to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$- \times \frac{-}{1} \qquad \frac{24}{}$$

$$8\overline{)24}^{\,\frac{3}{}}$$

3 Pounds

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$1\frac{1}{8}$$
$$1\frac{1}{8}$$
$$1\frac{1}{8}$$
$$+$$
$$3\frac{3}{8}$$

$$1\frac{2}{8}$$
$$1\frac{2}{8}$$
$$t$$
$$2\frac{4}{8}$$

$$3\frac{3}{8}$$
$$2\frac{4}{8}$$
$$1\frac{4}{8}$$
$$6\frac{}{}$$
$$+1\frac{2}{8}$$
$$7\frac{3}{8}$$

$$7\frac{3}{8}$$
$$1$$
$$+\frac{1}{9\frac{3}{8}}$$

$$8\overline{)11}^{\,1\frac{3}{8}}$$
$$\frac{-}{3}$$

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?

$$8\overline{)52}^{\,6\frac{4}{8}}$$
$$\frac{48}{24}$$

$$16\frac{1}{2}^{\,15\,\frac{12}{2}}$$
$$15\frac{7}{8}$$
$$\frac{}{8\frac{5}{8}}$$

All = $15\frac{7}{8}$

An additional fraction would be $\frac{5}{}$

During a class field trip to the movies, each student bought a bag of bulk candy.
The following are the bags of candy measured to the nearest eighth of a pound.
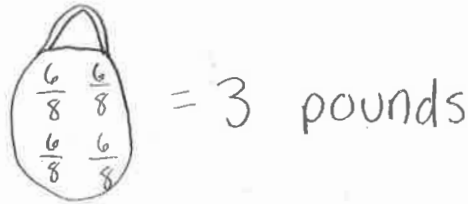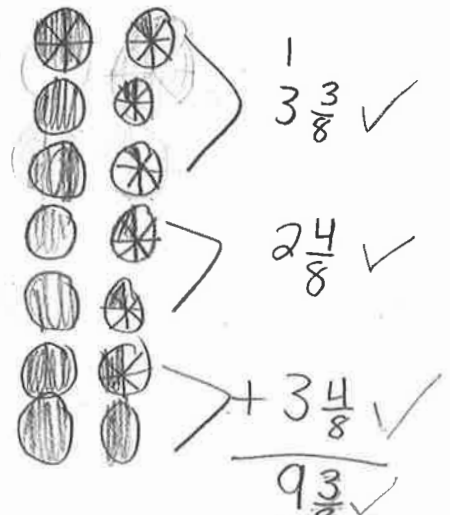Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound $= \frac{2}{8}$

$\frac{3}{4}$ pound $= \frac{6}{8}$

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound $= \frac{6}{8}$

1 pound

$\frac{1}{4}$ pound $= \frac{2}{8}$

$\frac{1}{2}$ pound $= \frac{4}{8}$

$1\frac{1}{8}$ pounds

$1\frac{1}{4}$ pounds $= 1\frac{2}{8}$

$\frac{5}{8}$ pound

$1\frac{1}{4}$ pounds $= 1\frac{2}{8}$

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound $= \frac{6}{8}$

$1\frac{1}{2}$ pounds $= 1\frac{4}{8}$

$\frac{3}{4}$ pound $= \frac{6}{8}$

$\frac{3}{8}$ pound

$\frac{7}{8}$ pound

$\frac{1}{4}$ pound $= \frac{2}{8}$

$\frac{}{8}$ pound

1 pound

This material accompanies a videotaped lesson on Inside Mathematics (www.insidemathematics.org): Adding & Subtracting Fractions
Using a Line Plot: Public Lesson. Austin, Texas: the Charles A. Dana Center at The University of Texas at Austin.

Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two*, to answer the following questions.
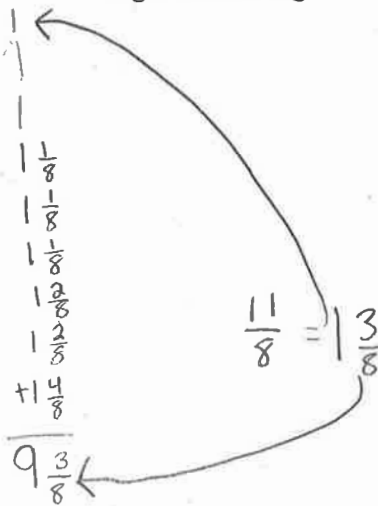
1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.
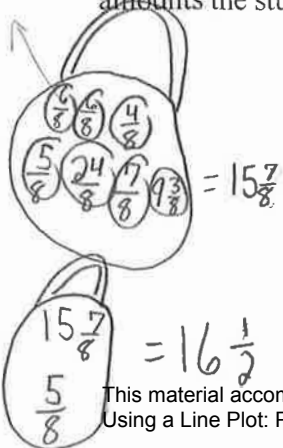
$$\frac{6}{8} \times \frac{4}{1} = \frac{24}{8} = 3 \qquad\qquad \frac{6}{8} = \frac{3}{4}$$

$= 3$ pounds

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$1$$
$$1\frac{1}{8}$$
$$1\frac{1}{8}$$
$$1\frac{1}{8}$$
$$1\frac{2}{8}$$
$$1\frac{2}{8}$$
$$+1\frac{4}{8}$$
$$\overline{9\frac{3}{8}}$$

$$\frac{11}{8} = 1\frac{3}{8}$$

$3\frac{3}{8}$ ✓

$2\frac{4}{8}$ ✓

$+3\frac{4}{8}$ ✓

$\overline{9\frac{3}{8}}$ ✓

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?

 $= 15\frac{7}{8}$

$$15\frac{7}{8}$$
$$\frac{5}{8}$$
$$= 16\frac{1}{2}$$

$$\frac{6}{8}$$
$$\frac{6}{8}$$
$$\frac{4}{8}$$
$$\frac{5}{8}$$
$$\frac{24}{8} + \frac{31}{8}$$

$$\left.\begin{array}{c}\frac{6}{8}\\\frac{6}{8}\\\frac{4}{8}\\\frac{5}{8}\end{array}\right) \frac{12}{8}$$
$$\left.\begin{array}{c}\\\frac{9}{8}\end{array}\right) \frac{21}{8}$$
$$\frac{+31}{8}$$
$$\overline{\frac{52}{8}} = 6\frac{4}{8}$$

$$\begin{array}{c}6\frac{4}{8}\\+9\frac{3}{8}\\\hline 15\frac{7}{8}\end{array}$$

$$16\frac{4}{8} + \frac{8}{8} = \frac{12}{8}$$
$$-15\frac{7}{8}$$
$$\overline{\frac{5}{8}}$$

An additional fraction could be 5/8.

During a class field trip to the movies, each student bought a bag of bulk candy.
The following are the bags of candy measured to the nearest eighth of a pound.
Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound $= \frac{2}{8}$

$\frac{3}{4}$ pound $= \frac{6}{8}$

$1\frac{1}{8}$ pounds $= \frac{9}{8}$

$\frac{3}{4}$ pound $= \frac{6}{8}$

1 pound $= \frac{8}{8}$

$\frac{1}{4}$ pound $= \frac{2}{8}$

$\frac{1}{2}$ pound $= \frac{4}{8}$

$1\frac{1}{8}$ pounds $= \frac{9}{8}$

$1\frac{1}{4}$ pounds $= \frac{10}{8}$

$\frac{5}{8}$ pound $= \frac{5}{8}$

$1\frac{1}{4}$ pounds $= \frac{10}{8}$

$1\frac{1}{8}$ pounds $= \frac{9}{8}$

$\frac{3}{4}$ pound

$1\frac{1}{2}$ pounds $= \frac{12}{8}$

$\frac{3}{4}$ pound $= \frac{6}{8}$

$\frac{3}{8}$ pound $- \frac{3}{8}$

$\frac{7}{8}$ pound $= \frac{7}{8}$

$\frac{1}{4}$ pound $= \frac{2}{8}$

$\frac{3}{8}$ pound $=$

1 pound

$1\frac{1}{2}$ $\frac{3 \times 4}{2 \times 4} = \frac{12}{8}$

$\frac{1 \times 4}{2 \times 4} = \frac{4}{8}$

$\frac{3 \times 2}{4 \times 2} = \frac{6}{8}$

$1\frac{1}{8}$ $\frac{9}{8}$

$1\frac{1}{4}$ $\frac{5 \times 2}{4 \times 2} = \frac{10}{8}$

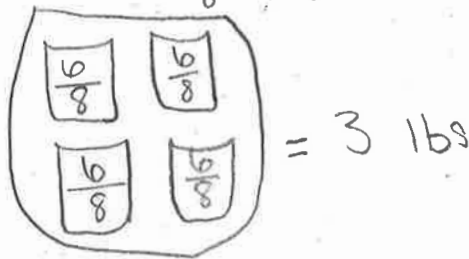$\frac{1 \times 2}{4 \times 2} = \frac{2}{8}$

$1\frac{1}{8} = \frac{9}{8}$

Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two*, to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{6}{8} \times \frac{4}{1} = \frac{24 \div 8}{8 \div 8} = \frac{3}{1} = 3 \text{ pounds}$$

= 3 lbs

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\begin{array}{r} 1\frac{1}{8} \checkmark \\ 1\frac{1}{8} \checkmark \\ +1\frac{1}{8} \checkmark \\ \hline 3\frac{3}{8} \checkmark \end{array}$$

$$\begin{array}{r} 1\frac{2}{8} \checkmark \\ 1\frac{2}{8} \checkmark \\ \hline 2\frac{4}{8} \checkmark \end{array}$$

$$\begin{array}{r} 3\frac{3}{8} \checkmark \\ 2\frac{4}{8} \checkmark \\ +1\frac{4}{8} \checkmark \\ \hline 7\frac{3}{8} \checkmark \\ +2 \checkmark \\ \hline 9\frac{3}{8} \text{ lbs} \checkmark \end{array}$$

$3\frac{3}{8}$

$2\frac{4}{8}$

$3\frac{3}{8}$
$1\frac{4}{8}$
$2\frac{4}{8}$
$7\frac{3}{8}$
$+2$
$9\frac{3}{8}$ 2

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?

$\frac{6}{8}\ \frac{6}{8}\ \frac{4}{8}\ \frac{5}{8}\ \frac{24}{8}\ \frac{7}{8}$

$\frac{12}{8}\ \frac{16}{8}\ \frac{21}{8}\ \frac{45}{8}\ \frac{52}{8}$

$\frac{52}{8}$ Or $6\frac{4}{8}$

$16\frac{4}{8}$ $15\frac{7}{8}$

$\frac{6}{8}\ \frac{6}{8}\ \frac{4}{8}\ \frac{5}{8}$
$\frac{24}{8}\ \frac{7}{8}$

$\begin{array}{r} 21 \\ +24 \\ \hline 45 \\ +7 \\ \hline 52 \end{array}$

$8\overline{)52}6\frac{4}{8}$
$\underline{48}$

$\begin{array}{r} 6\frac{4}{8} \\ 9\frac{3}{8} \\ + \\ \hline 15\frac{7}{8} \end{array}$

$15\frac{12}{8}$
$16\frac{4}{8}$
$-15\frac{7}{8}$
$\underline{}$
$\frac{5}{8}$

An additional fraction is $\frac{5}{8}$

During a class field trip to the movies, each student bought a bag of bulk candy.
The following are the bags of candy measured to the nearest eighth of a pound.
Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound |

$\frac{3}{4}$ pound |
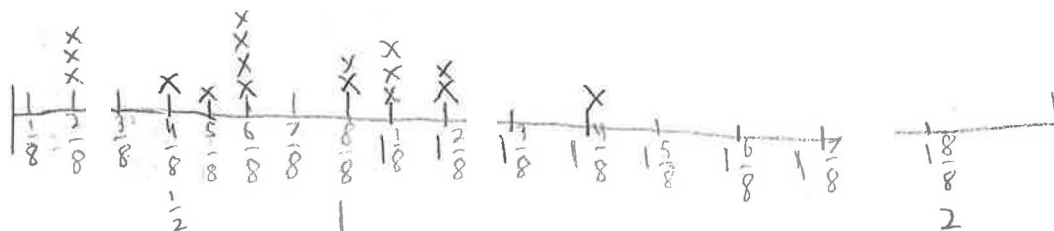
$1\frac{1}{8}$ pounds |

$\frac{3}{4}$ pound 2

1 pound |

$\frac{1}{4}$ pound 2

$\frac{1}{2}$ pound

$1\frac{1}{8}$ pounds 2

$1\frac{1}{4}$ pounds |

$\frac{5}{8}$ pound

$1\frac{1}{4}$ pounds 2

$1\frac{1}{8}$ pounds 3

$\frac{3}{4}$ pound 3

$1\frac{1}{2}$ pounds

$\frac{3}{4}$ pound 4

$\frac{3}{8}$ pound |

$\frac{7}{8}$ pound

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

$\frac{3}{8}$ pound 2

1 pound 2

$3\frac{6}{8}$ Lb

$3\frac{6}{4\text{-}8}$ Lb

$?\frac{6}{4\text{-}8}$ Lb

$3\frac{6}{4\text{-}8}$ Lb

1 Lb

1 Lb

$1\frac{2}{4\,8}$ pound

$1\frac{2}{4\text{-}8}$ Lb

$1\frac{2}{18}$ Lb

$1\frac{1}{8}$ Lb

$1\frac{1}{8}$ Lb

$1\frac{1}{8}$ Lb

Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two*, to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{6}{8} \times \frac{4}{1} = \frac{24}{8} = 3 \text{ Lbs}$$

2. Suppose you combined all the bags of candy that weighed one pound _or more_ into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$1\frac{1}{8} + 1\frac{1}{8} + 1\frac{3}{8}$$

$$\frac{9}{8} + \frac{9}{8} + \frac{9}{8} = \frac{27}{8} = 3\frac{3}{8}$$

$$1\frac{2}{8} + 1\frac{2}{8}$$

$$\frac{10}{8} + \frac{10}{8} = \frac{20}{8}$$

$$\frac{7}{8} + \frac{4}{8} = \frac{11}{8}$$

$$1$$
$$+ 1$$
$$\overline{2 \text{ Lbs}}$$

$$+ 3\frac{3}{8} \text{ lbs}$$
$$\overline{5\frac{3}{8} \text{ Lbs}}$$
$$+ 2\frac{8}{8}$$
$$\overline{7\frac{7}{8}}$$
$$+ 1\frac{4}{8}$$
$$\overline{9\frac{3}{8}}$$

$$8\overline{)27}$$
$$\underline{-24}$$
$$3$$

$$8\overline{)210}$$
$$\underline{-16}$$

$$8\overline{)41}$$
$$\underline{-8}$$

$$\frac{2}{8} = \frac{3}{1} \times \frac{6}{8}$$

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?

$$\frac{6}{8}$$

$$\frac{2\frac{5}{8}}{+ 3}$$
$$\overline{5\frac{5}{8}}$$
$$+ \frac{7}{8}$$
$$\overline{6\frac{4}{8}}$$

$$9\frac{3}{8}$$
$$+ 6\frac{4}{8}$$
$$\overline{15\frac{7}{8} \text{ Lbs}}$$

$$\frac{7}{8} + \frac{5}{8} = \frac{12}{8} = 1\frac{4}{8}$$

answer: $\frac{5}{8}$ or $\frac{1}{8}\ 1\frac{1}{8} + \frac{3}{8} \frac{5}{8}$ or $\frac{2}{8} + 3\frac{3}{8}$

$$\frac{3}{8} \times \frac{7}{1} = \frac{6}{8}$$

$$\frac{6}{8} \times \frac{4}{1} = \frac{24}{8}$$

Some fifth grade students attended a birthday party on the weekend. They left with bags of candy that were from the piñata. Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound $\frac{2}{8}$ •

$\frac{3}{4}$ pound $\frac{6}{8}$ •

$1\frac{1}{8}$ pounds ·

$\frac{3}{4}$ pound $\frac{6}{8}$ •

1 pound   ·

$\frac{1}{4}$ pound $\frac{2}{8}$ •

$\frac{1}{2}$ pound $\frac{4}{8}$ •

$1\frac{1}{8}$ pounds ·

$1\frac{1}{4}$ pounds $\frac{2}{8}$

$\frac{5}{8}$ pound ·

$1\frac{1}{4}$ pounds $\frac{2}{8}$ ·

$1\frac{1}{8}$ pounds ·

$\frac{3}{4}$ pound $\frac{6}{8}$ ·

$1\frac{1}{2}$ pounds $1\frac{4}{8}$ °

$\frac{3}{4}$ pound $\frac{6}{8}$ •

$\frac{3}{8}$ pound ·

$\frac{7}{8}$ pound ·

$\frac{1}{4}$ pound $\frac{2}{8}$ ·

$\frac{3}{8}$ pound ·

1 pound ·

$\frac{2}{8} \times \frac{3}{1} = \frac{6}{8}$ lb

$\frac{4}{8}$ lb

$3\frac{28}{8}$

$8\overline{)28}$

$\frac{-24}{4}$

$3\frac{28}{8} = 6\frac{4}{8}$ lb

$+ 9\frac{3}{8}$ lb

$15\frac{1}{8}$

$\frac{1}{4} = \frac{2}{8}$

$\frac{3}{4} = \frac{6}{8}$

$\frac{1}{2} = \frac{4}{8}$

$9\frac{3}{8}$ lbs.

Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have? Write a numerical equation and draw a picture/model to support.

Some fifth grade students attended a birthday party on the weekend. They left with bags of candy that were from the piñata. Organize the data and create a line plot to display the data.

$\frac{2}{8}$
$\frac{1}{4}$ pound

$\frac{6}{8}$ $\frac{3}{4}$ pound '

$1\frac{1}{8}$ pounds

$\frac{6}{8}$ $\frac{3}{4}$ pound '

1 pound '

$\frac{2}{8}$ $\frac{1}{4}$ pound '

$\frac{4}{8}$ $\frac{1}{2}$ pound

$1\frac{1}{8}$ pounds

$1\frac{8}{4}$ pounds '

$\frac{5}{8}$ pound '

$1\frac{2}{8}$ $1\frac{1}{4}$ pounds '

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound '
$\frac{6}{8}$

$1\frac{4}{8}$ '

$1\frac{1}{2}$ pounds

$\frac{6}{8}$
$\frac{3}{4}$ pound •

$\frac{3}{8}$ pound

$\frac{7}{8}$ pound '

$1\frac{8}{4}$ pound ے

$\frac{3}{8}$ pound '

1 pound

$\frac{1}{4} = \frac{2}{8}$

$\frac{3}{4} = \frac{6}{8}$

$\frac{1}{2} = \frac{4}{8}$
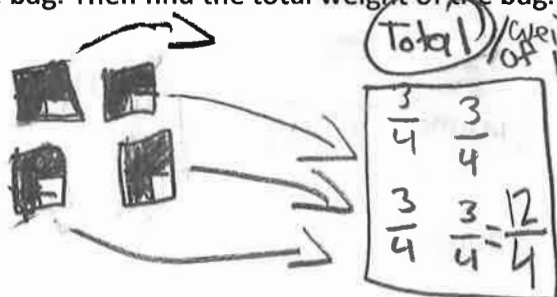
Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{3}{4} \times \frac{4}{1} = \frac{12}{4}$$

$$4\overline{\smash{)}12}$$

$$\frac{3}{4}\overline{\smash{)}\frac{6}{4}}$$

$$\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} = \frac{12}{4} = \frac{12}{4}$$

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$1 \text{lbs} \times 2 \quad 2 \text{ pounds}$

$1 \times \frac{1}{8} \quad \frac{9}{8} \times \frac{3}{1} \quad \frac{27}{8} = \quad 8\overline{\smash{)}27} \quad 3\frac{3}{8}$

$1 \times \frac{2}{8} \quad \frac{10}{8} \times 2 \quad \frac{20}{8} \quad 8\overline{\smash{)}20} \quad 2\frac{4}{8}$

$\frac{14}{8}$

$2 \quad 3\frac{3}{8} \quad 2\frac{4}{8} \quad 1\frac{4}{8} \quad + \quad 9\frac{3}{8}$

$3\frac{3}{8}$

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have? Write a numerical equation and draw a picture/model to support.

$$\frac{6}{8} \times \frac{4}{1} \qquad \frac{24}{8} = 3 \text{ pounds}$$

$$3 + \frac{6}{8} + \frac{6}{8} + \frac{4}{8} + \frac{5}{8} + \frac{7}{8} = 3\frac{28}{8} \quad 3\overline{\smash{)}28}$$

$$\boxed{6\frac{4}{8}}$$

$$6\frac{4}{8} + 9\frac{3}{8} \quad 15\frac{7}{8}$$

$$16\frac{4}{8} + \frac{8}{8} + \frac{12}{8}$$

$$15\frac{7}{8} - \frac{5}{8}$$

Some fifth grade students attended a birthday party on the weekend. They left with bags of candy that were from the piñata. Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound·

$\frac{3}{4}$ pound·

$1\frac{1}{8}$ pounds·

$\frac{3}{4}$ pound·

1 pound·

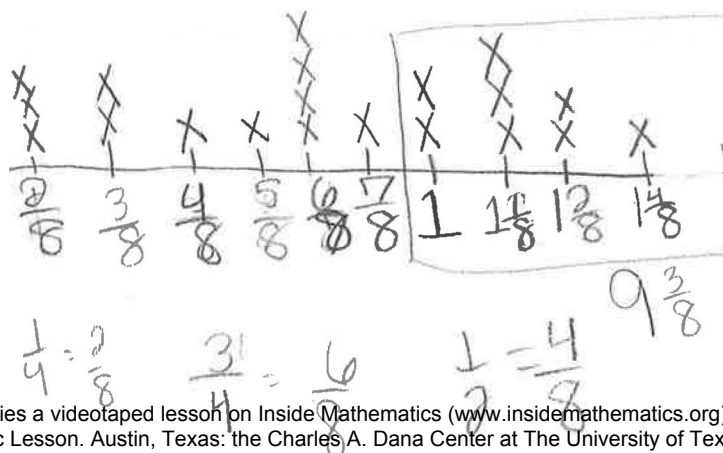$\frac{1}{4}$ po· nd·

$\frac{1}{2}$ pound

$1\frac{1}{8}$ pounds

$1\frac{1}{4}$ pounds·

$\frac{5}{8}$ pound·

$1\frac{1}{4}$ pounds·

$1\frac{1}{8}$ pounds·

$\frac{3}{4}$ pound·

$1\frac{1}{2}$ pounds

$\frac{3}{4}$ pound·

$\frac{3}{8}$ pound·

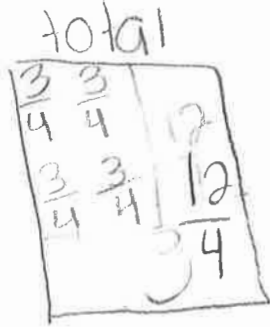$\frac{7}{8}$ pound·

$\frac{1}{4}$ pound·

$\frac{3}{8}$ pound

1 pound·

Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have? Write a numerical equation and draw a picture/model to support.
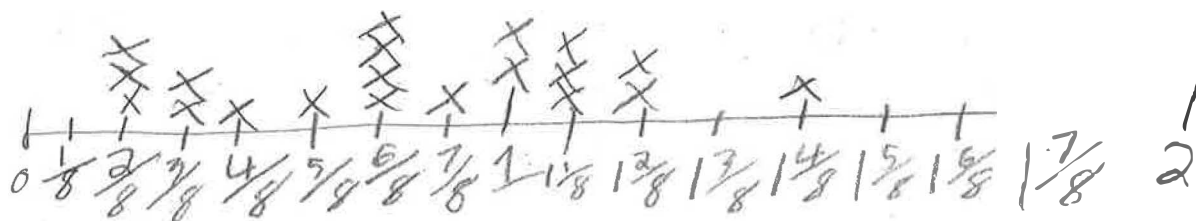
During a class field trip to the movies, each student bought a bag of bulk candy. The following are the bags of candy measured to the nearest eighth of a pound. Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound

$\frac{3}{4}$ pound

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound

1 pound

$\frac{1}{4}$ pound

$\frac{1}{-}$ pound

$1\frac{1}{8}$ pounds

$1\frac{1}{4}$ pounds

$\frac{5}{8}$ pound

$1\frac{1}{4}$ pounds

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound

$1\frac{1}{2}$ pounds

$\frac{3}{4}$ pound

$\frac{3}{8}$ pound

$\frac{-}{8}$ pound

$\frac{1}{4}$ pound

$\frac{-}{8}$ pound

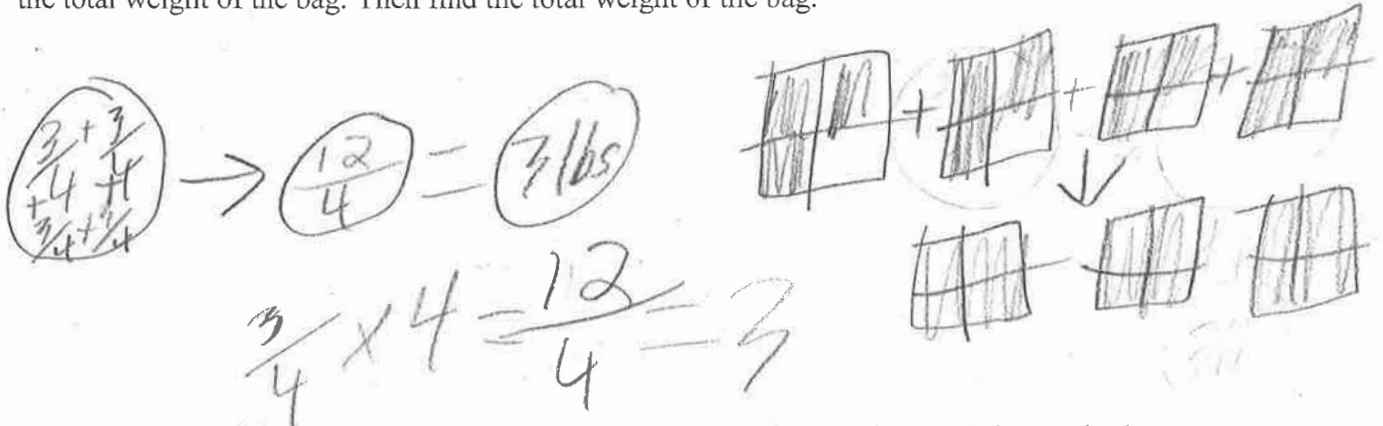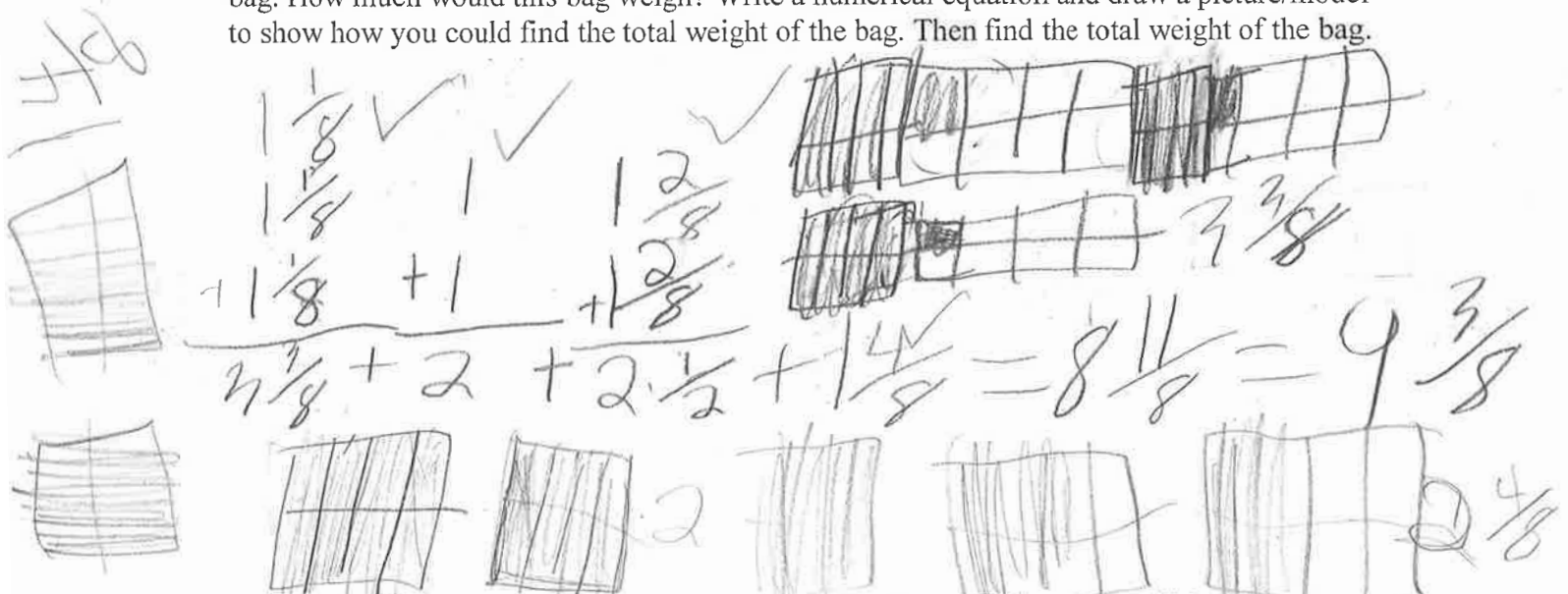1 pound

Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two*, to answer the following questions.
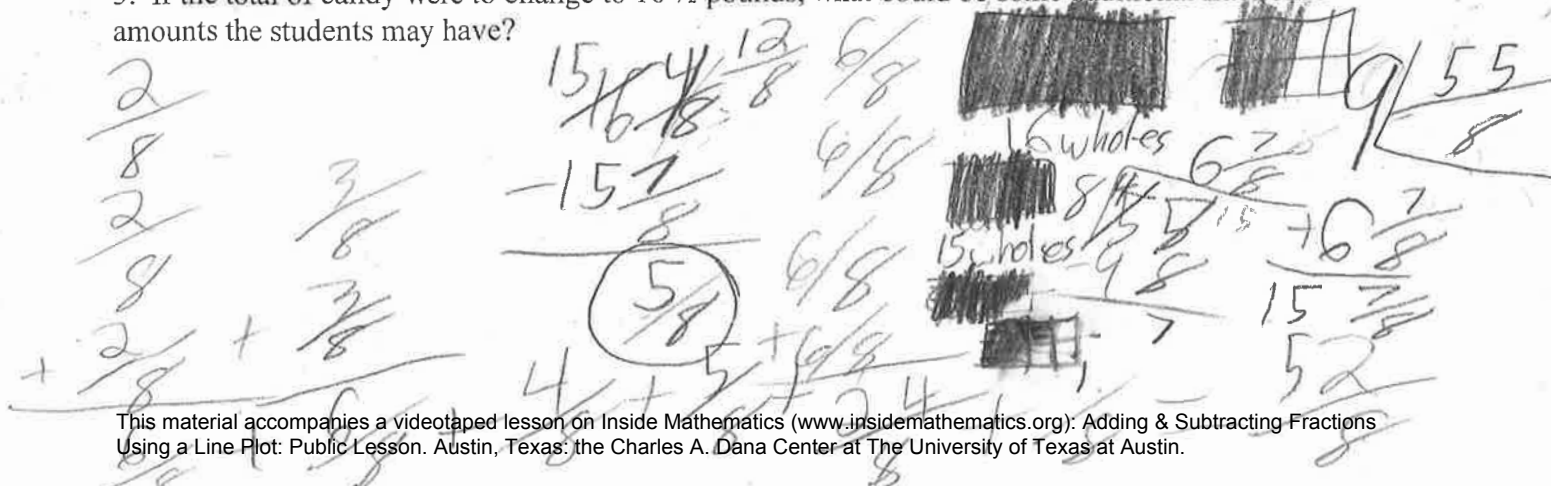
1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{3}{4} \times 4 = \frac{12}{4} = 3$$

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$1\frac{1}{8} + 2 + 2\frac{1}{2} + 1\frac{4}{8} = 8\frac{11}{8} = 9\frac{3}{8}$$

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?
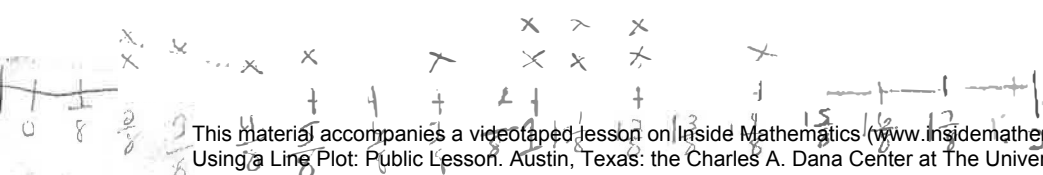
Some fifth grade students attended a birthday party on the weekend. They left with bags of candy that were from the piñata. Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound

$\frac{3}{4}$ pound

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound

1 pound

$\frac{1}{4}$ pound

$\frac{1}{2}$ pound

$1\frac{1}{8}$ pounds

$1\frac{1}{4}$ pounds

$\frac{5}{8}$ pound

$1\frac{1}{4}$ pounds

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound

$1\frac{1}{2}$ pounds

$\frac{3}{4}$ pound

$\frac{3}{8}$ pound

$\frac{7}{8}$ pound

$\frac{1}{4}$ pound

$\frac{3}{8}$ pound

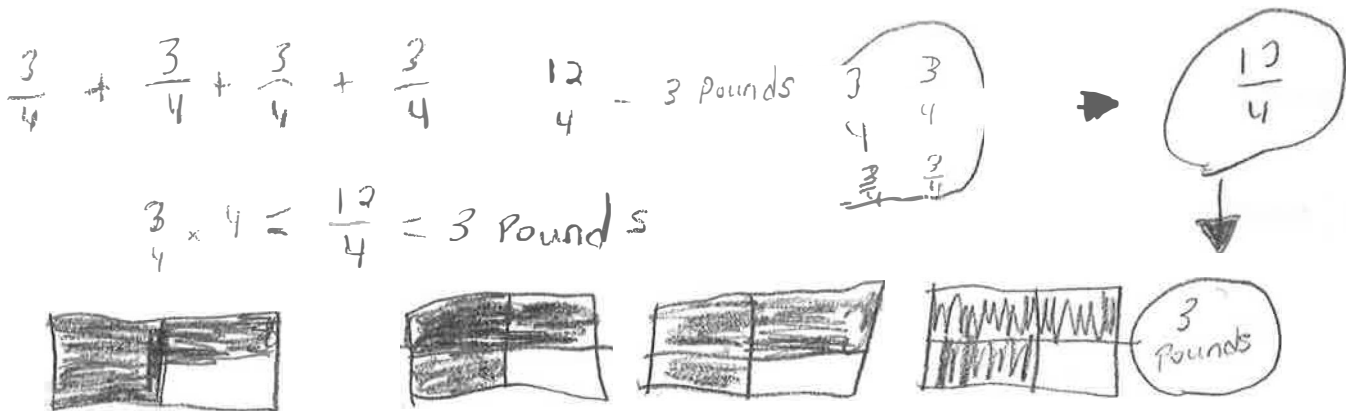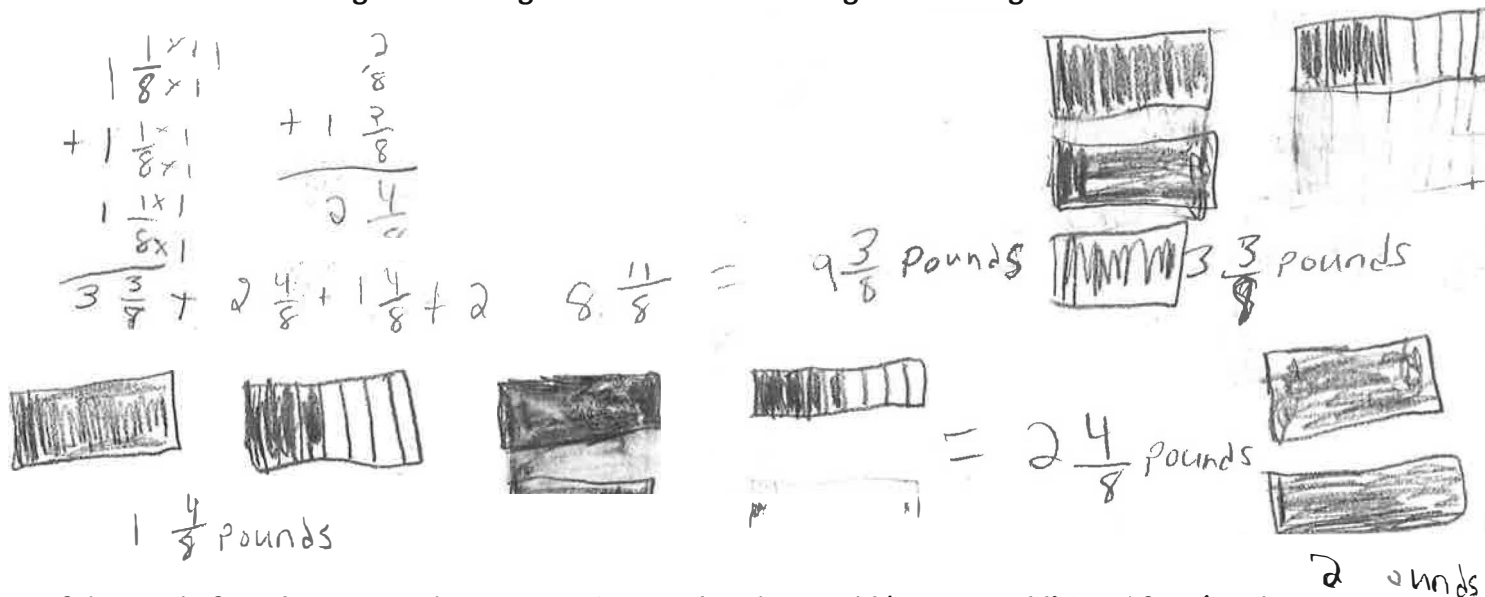1 pound

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.
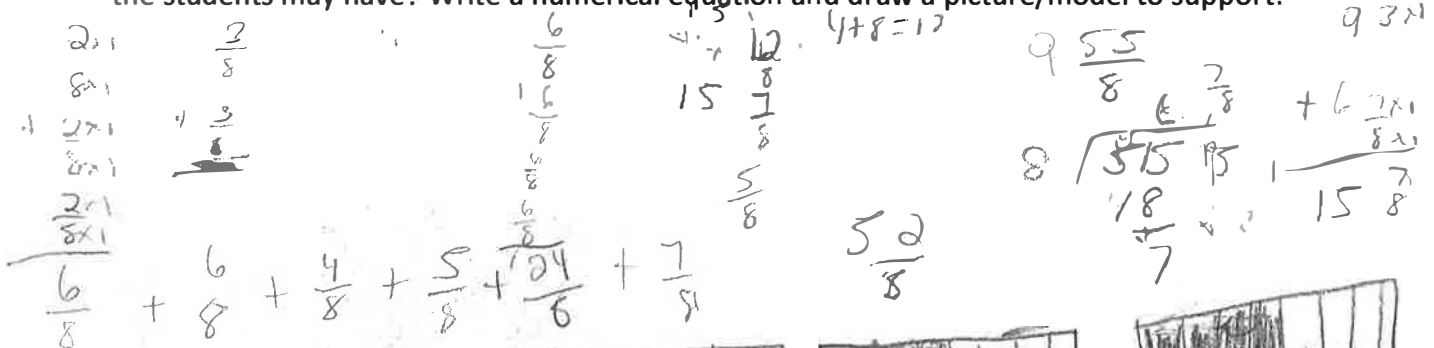
1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4}$$

$$\frac{12}{4} = 3 \text{ pounds}$$

$$\frac{3}{4} \times 4 = \frac{12}{4} = 3 \text{ Pounds}$$

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$1\frac{1}{8} \times 1$$
$$+ 1\frac{1}{8} \times 1$$
$$1\frac{1}{8} \times 1$$
$$3\frac{3}{8} + 2\frac{4}{8} + 1\frac{4}{8} + 2$$

$$+ 1\frac{2}{8}$$
$$2\frac{4}{8}$$

$$8\frac{11}{8} = 9\frac{3}{8} \text{ pounds}$$

$$3\frac{3}{8} \text{ pounds}$$

$$= 2\frac{4}{8} \text{ pounds}$$

$$1\frac{4}{8} \text{ pounds}$$

2 pounds

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have? Write a numerical equation and draw a picture/model to support.

$$2 \times 1$$
$$8 \times 1$$
$$2 \times 1$$
$$8 \times 1$$
$$2 \times 1$$
$$8 \times 1$$
$$\frac{6}{8}$$

$$\frac{2}{8}$$

$$\frac{3}{8}$$

$$\frac{6}{8}$$
$$\frac{6}{8}$$
$$\frac{6}{8}$$

$$12. \quad 4+8=12$$
$$15\frac{7}{8}$$
$$\frac{5}{8}$$

$$9\frac{55}{8}$$
$$8\overline{)55} \quad 15$$
$$18$$
$$7$$

$$9 \quad 3 \times 1$$

$$+6 \frac{2 \times 1}{8 \times 1}$$
$$15\frac{7}{8}$$

$$\frac{6}{8} + \frac{4}{8} + \frac{5}{8} + \frac{24}{6} + \frac{7}{81}$$
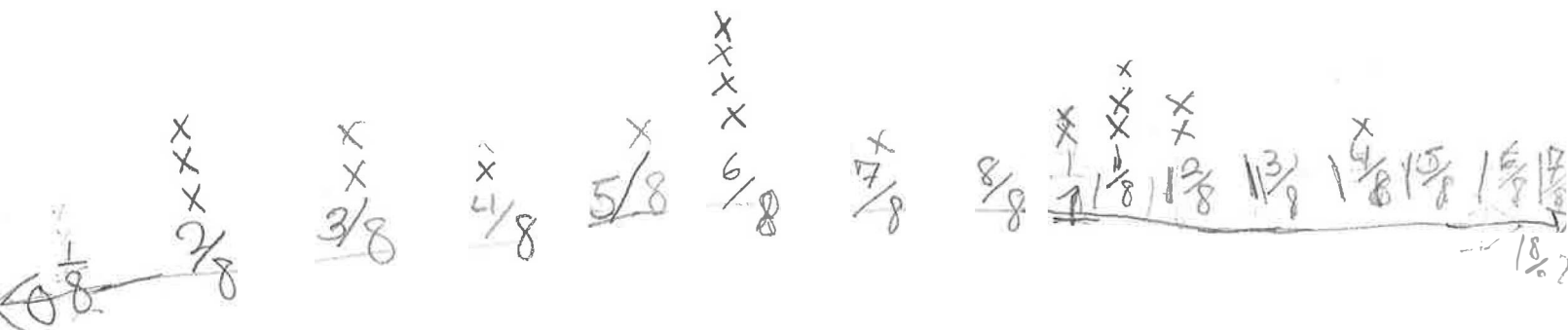
$$5\frac{2}{8}$$

During a class field trip to the movies, each student bought a bag of bulk candy. The following are the bags of candy measured to the nearest eighth of a pound. Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound

$\frac{3}{4}$ pound

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound

1 pound

$\frac{1}{4}$ pound

$\frac{1}{2}$ pound

$1\frac{1}{8}$ pounds
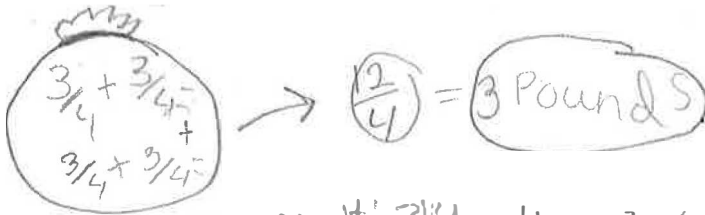
$1\frac{1}{4}$ pounds

$\frac{5}{8}$ pound

$1\frac{1}{4}$ pounds

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound

$1\frac{1}{2}$ pounds

$\frac{3}{4}$ pound

$\frac{3}{8}$ pound

$\frac{}{8}$ pound

$\frac{1}{4}$ pound

$\frac{3}{8}$ pound

1 pound

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} \rightarrow \left(\frac{12}{4}\right) = 3 \text{ Pounds}$$

$$3/4 \times 4 = \frac{12}{4} = 3 \text{ Pounds}$$

When we multiply 4 and 3/4's together you $\frac{12}{4}$ which is equal to 3 Pounds. There are 4 of the 3/4.

2. Suppose you combined all the bags of candy that weighed <u>one pound or mor</u> into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$1 + 1 = 2$$

$$1\frac{1}{8} + 1\frac{1}{8} + 1\frac{1}{8} = 3\frac{3}{8} \quad \left(9\frac{3}{6}\right)$$

$$1\frac{2}{8} + 1\frac{2}{8} \quad 2\frac{4}{8}$$

$$1\frac{4}{8} + 3\frac{3}{8} = 4\frac{7}{8} \qquad 4\frac{7}{8} + 2\frac{4}{8} = 6\frac{11}{8} + 2 = 8\frac{11}{8} = 9\frac{3}{8}$$
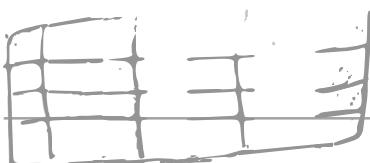
3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?

$$16\frac{4}{8} \quad 2/8 + 3/8 + 1/8 = 6/8 \qquad 6/8 + 6/8 = \frac{12}{8} \qquad 6\frac{7}{8} + 9 = 15\frac{4}{8}$$

$$15\frac{7}{8} \quad 3/8 + 3/8 = 6/8 \qquad \qquad 12/8 + 4/8 = 16/8 \qquad \times 6\frac{7}{8}$$

$$4/8 \qquad \qquad \qquad -21/8 \qquad 8\overline{\smash{)}45 + 15}$$

$$5/8 \qquad 1/8 \qquad \qquad \qquad 48$$

$$\qquad \qquad \qquad \left(5/\right) \qquad \qquad 9\frac{3}{8} = 9\frac{55}{8}$$
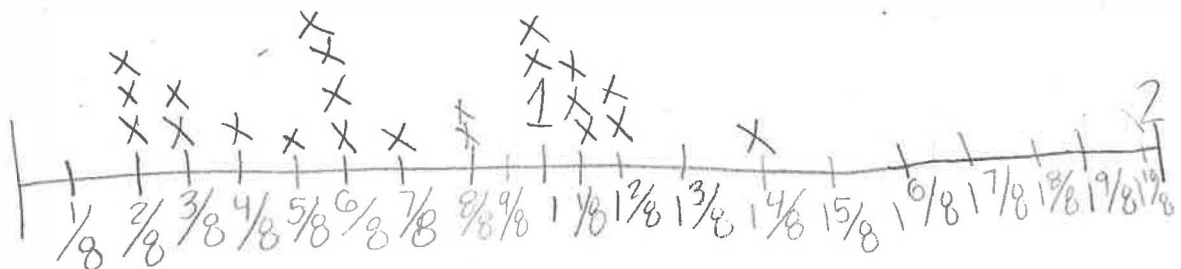
During a class field trip to the movies, each student bought a bag of bulk candy. The following are the bags of candy measured to the nearest eighth of a pound. Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound

$\frac{3}{4}$ pound

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound

1 pound

$\frac{1}{4}$ pound

$\frac{1}{2}$ pound

$1\frac{1}{8}$ pounds

$1\frac{1}{4}$ pounds

$\frac{5}{8}$ pound

$1\frac{1}{4}$ pounds

$1\frac{1}{8}$ pounds

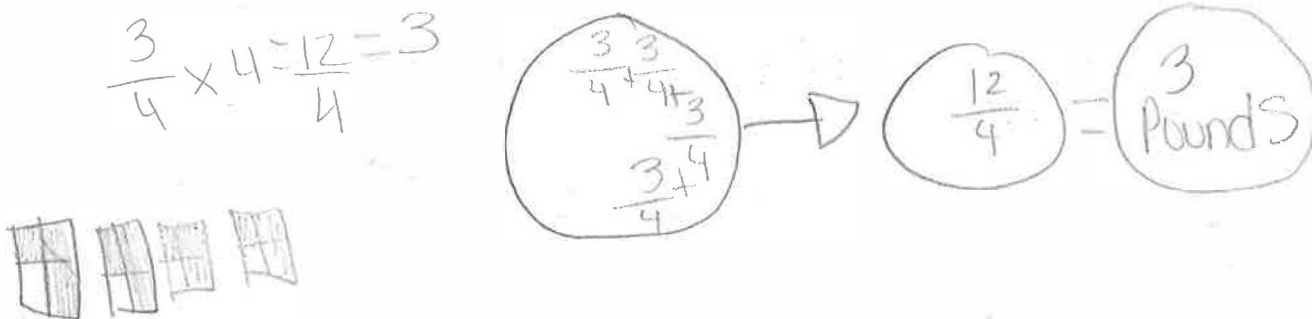$\frac{3}{4}$ pound

$1\frac{1}{2}$ pounds

$\frac{3}{4}$ pound

$\frac{3}{8}$ pound

$\frac{7}{8}$ pound

$\frac{1}{4}$ pound
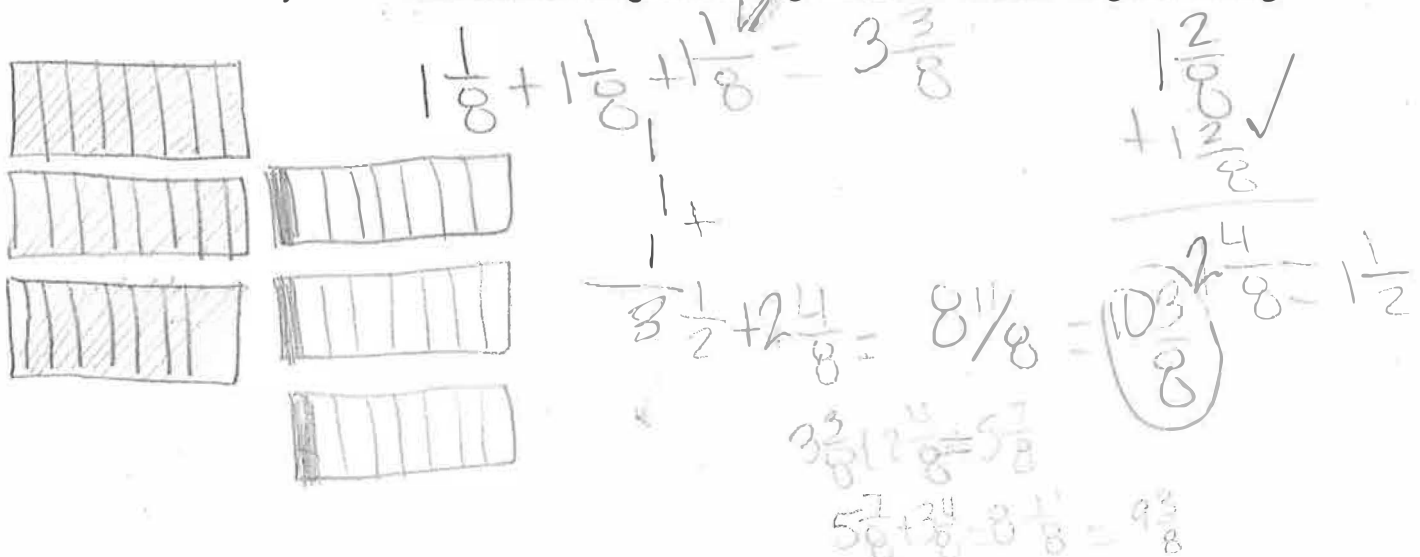
$\frac{3}{8}$ pound

1 pound

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two*, to answer the following questions.
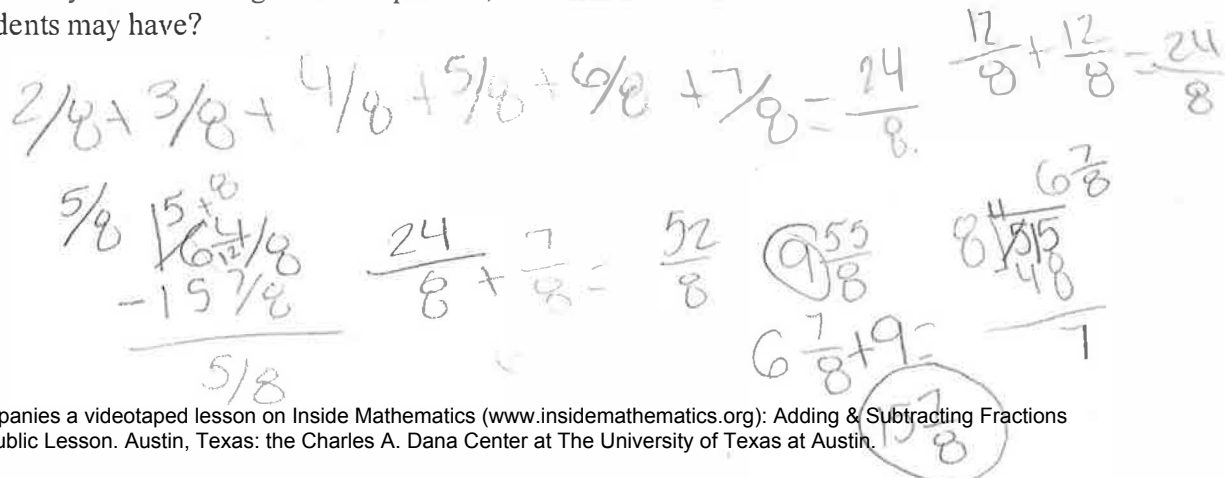
1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{3}{4} \times 4 = \frac{12}{4} = 3$$

$$\frac{12}{4}$$

$$\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4}$$

3 Pounds

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$1\frac{1}{8} + 1\frac{1}{8} + 1\frac{1}{8} = 3\frac{3}{8}$$

$$1\frac{2}{8} + 1\frac{2}{8} \checkmark$$

$$1 +$$

$$3\frac{1}{2} + 2\frac{4}{8} = 8\frac{11}{8} = 10\frac{3}{8}$$

$$\frac{24}{8} = 1\frac{1}{2}$$

$$3\frac{3}{8} + 2\frac{4}{8} = 5\frac{7}{8}$$

$$5\frac{7}{8} + \frac{24}{8} = 8\frac{3}{8} = 9\frac{3}{8}$$

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?

$$2/8 + 3/8 + 4/8 + 5/8 + 6/8 + 7/8 = \frac{24}{8}$$

$$\frac{12}{8} + \frac{12}{8} = \frac{24}{8}$$

$$5/8 \quad 6\frac{5+8}{12}/8$$
$$-15 \, 7/8$$

$$\frac{24}{8} + \frac{7}{8} = \frac{52}{8} \quad 9\frac{55}{8} \quad 8\frac{15}{48} \quad 6\frac{7}{8}$$

$$5/8$$

$$6\frac{7}{8} + 9 = \frac{57}{8}$$

During a class field trip to the movies, each student bought a bag of bulk candy. The following are the bags of candy measured to the nearest eighth of a pound. Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound

$\frac{3}{4}$ pound

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound

1 pound

$\frac{1}{4}$ pound

$\frac{1}{2}$ pound

$1\frac{1}{8}$ pounds

$1\frac{1}{4}$ pounds

$\frac{5}{8}$ pound

$1\frac{1}{4}$ pounds

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound
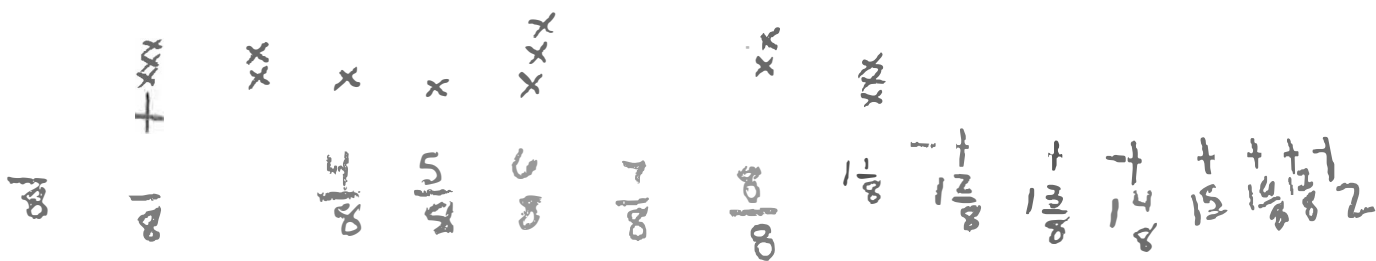
$1\frac{1}{2}$ pounds

$\frac{3}{4}$ pound

$\frac{3}{8}$ pound

$\frac{7}{8}$ pound

$\frac{1}{4}$ pound

$\frac{3}{8}$ pound

1 pound

$$\frac{1}{4} = \frac{2}{8} \quad \frac{2}{8} \quad 2$$

$$\frac{3}{4} \quad \frac{}{4} \quad \frac{5}{} = \frac{6}{8} \quad \frac{6}{8} \quad \frac{6}{8}$$

$1\frac{1}{8}$

$$\frac{11}{}$$

$$\frac{1}{2} = \frac{4}{8}$$

$$1\frac{1}{4} \quad 1\frac{1}{4} = 1\frac{3}{8} \quad 1\frac{2}{8}$$

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

$$\frac{3}{8} \quad \frac{3}{8}$$

Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.
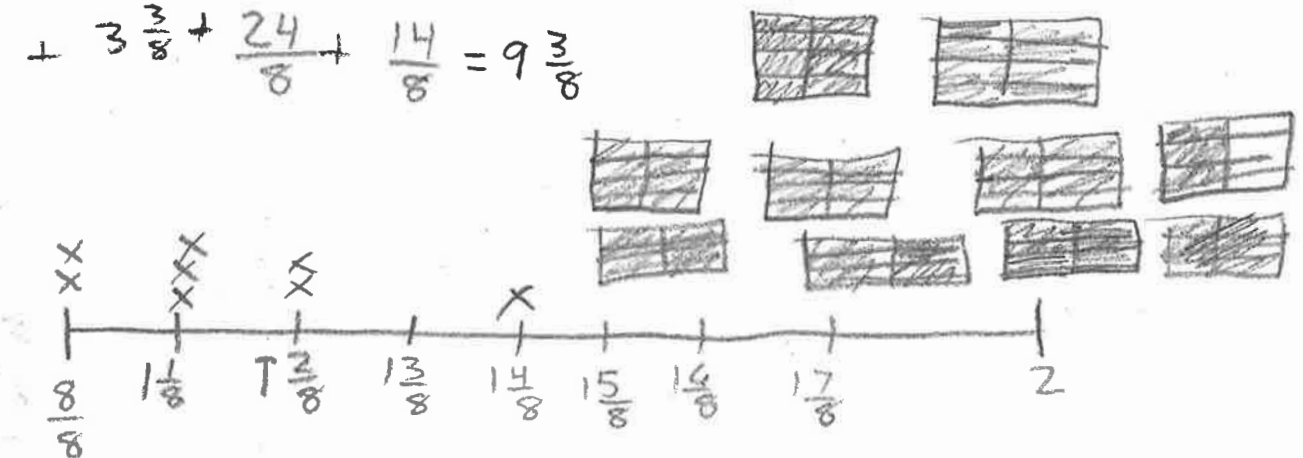
1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{6}{8} \times \frac{4}{1} = \frac{24}{8} = 3 \text{ lbs}$$

1 lbs   2 lbs   3 lbs

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$+\frac{1}{2} \quad + \quad 3\frac{3}{8} + \frac{24}{8} + \frac{14}{8} = 9\frac{3}{8}$$

X X   X X   X
        X
————+———+———+———+———+———+———+————————+————
 $\frac{8}{8}$ $1\frac{1}{8}$ $T\frac{2}{8}$ $1\frac{3}{8}$ $1\frac{4}{8}$ $1\frac{5}{8}$ $1\frac{6}{8}$ $1\frac{7}{8}$ 2

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?

$$\frac{6}{8} + \frac{6}{8} = \frac{12}{8} \quad \frac{4}{8} + \frac{5}{8} = 9 \quad \frac{18}{8}$$

It could be
add one
$\frac{5}{8}$. $\times$ on
         $\frac{2}{8}$

$14\frac{14}{8}$ $\frac{2}{8} + \frac{12}{8} = \frac{14}{8}$
$15\frac{7}{8}$ ↵

$$1\frac{4}{8} + 1\frac{1}{8} = \frac{25}{8} + 2\frac{2}{8} = 47$$
$$\frac{47}{8}$$

$$+ \quad 4\frac{7}{8}$$
$$9\frac{3}{8}$$
$$13\frac{10}{8} = 14\frac{2}{8}$$

During a class field trip to the movies, each student bought a bag of bulk candy. The following are the bags of candy measured to the nearest eighth of a pound. Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound

$\frac{3}{4}$ pound

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound

1 pound

$\frac{1}{4}$ pound
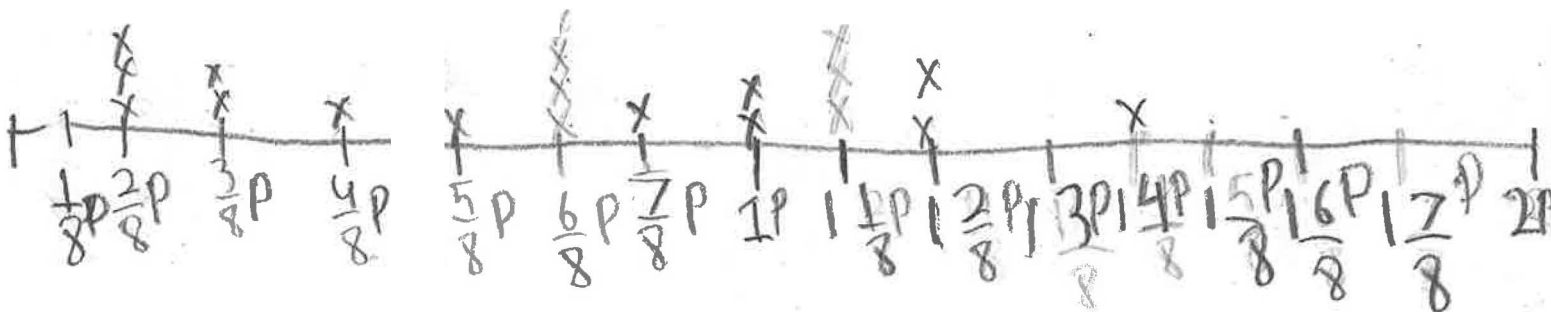
$\frac{1}{2}$ pound

$1\frac{1}{8}$ pounds

$1\frac{1}{4}$ pounds

$\frac{5}{8}$ pound

$1\frac{1}{4}$ pounds

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound

$1\frac{1}{2}$ pounds

$\frac{3}{4}$ pound

$\frac{3}{8}$ pound

$\frac{7}{8}$ pound

$\frac{1}{4}$ pound

$\frac{3}{8}$ pound

1 pound

$\frac{2}{8} \quad 2\frac{1}{4}$

$1\frac{2}{8} = 1\frac{1}{4}$

$1\frac{4}{9} = 1\frac{1}{2}$

$6 = \overline{4}$

$\frac{1}{5}$
8

$4 - 1$

Line plot

(axis labels:) $\frac{1}{8}P \quad \frac{2}{8}P \quad \frac{3}{8}P \quad \frac{4}{8}P \quad \frac{5}{8}P \quad \frac{6}{8}P \quad \frac{7}{8}P \quad 1P \quad 1\frac{1}{8}P \quad 1\frac{2}{8}P \quad 1\frac{3}{8}P \quad 1\frac{4}{8}P \quad 1\frac{5}{8}P \quad 1\frac{6}{8}P \quad 1\frac{7}{8}P \quad 2P$
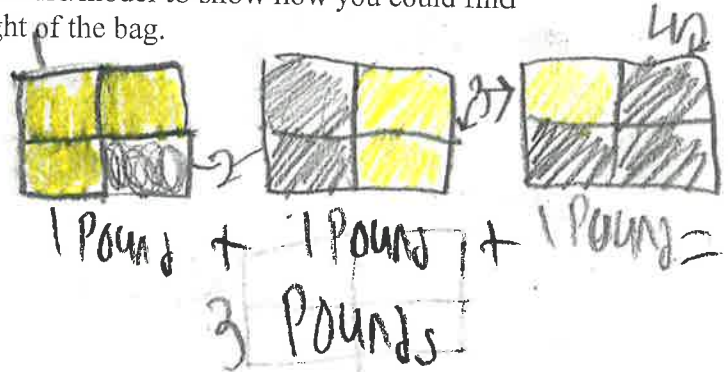
Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.
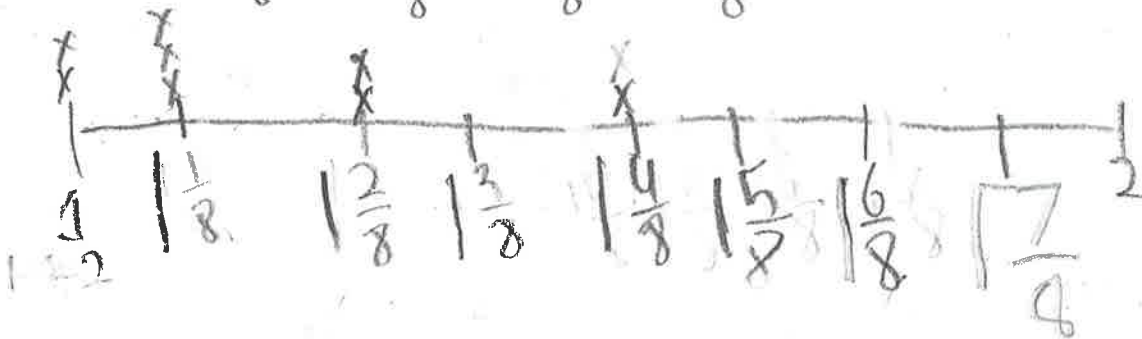
1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{6}{8} \times \frac{4}{1} = \frac{24}{8} = 3$$

1 Pound + 1 Pound + 1 Pound = 3 Pounds

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$2 + 3\frac{3}{8} + 2\frac{4}{8} + 1\frac{4}{8} = 4\frac{3}{8}$$

$1\frac{1}{2}$ · $1\frac{1}{8}$ · $1\frac{2}{8}$ · $1\frac{3}{8}$ · $1\frac{4}{8}$ · $1\frac{5}{8}$ · $1\frac{6}{8}$ · $1\frac{7}{8}$ · 2

$1 \times 2 = 2$ $1\frac{1}{8} \times 3 = 3\frac{3}{8}$ $1\frac{2}{8} \times 2 = 2\frac{4}{8}$ $1\frac{4}{8} \times 1 = 1\frac{4}{8}$

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?

$$2 + 3\frac{3}{8} + 2\frac{4}{8} + 1\frac{4}{8} + 6\frac{4}{8} = 9\frac{3}{8}$$

$3/8 \times 3 = \frac{6}{8}$ $5/8 \times 2 = 6/8$
$4/8 \times 1 = \frac{4}{8}$ $5/8 \times 1 = \frac{5}{8}$
$6/8 \times 4 = \frac{24}{8}$ $7/8 \times 1 = 7/8$

$15\frac{7}{8}$ pounds $6/8 + 4/8 = 12\frac{?}{8} + 3 = 4\frac{2}{8}$

$4\frac{2}{8} + 6/8 = 5 + 5/8 + 5\frac{5}{8}$

$5/8 + 7/8 = 6\frac{4}{8}$

Some fifth grade students attended a birthday party on the weekend. They left with bags of candy that were from the piñata. Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound $\frac{2}{8}$

$\frac{3}{4}$ pound $\frac{6}{8}$

$1\frac{1}{8}$ pounds $\frac{8}{8}$

$\frac{3}{4}$ pound $\frac{3}{9}$

1 pound 1

$\frac{1}{4}$ pound $\frac{2}{8}$

$\frac{1}{2}$ pound $\frac{4}{8}$
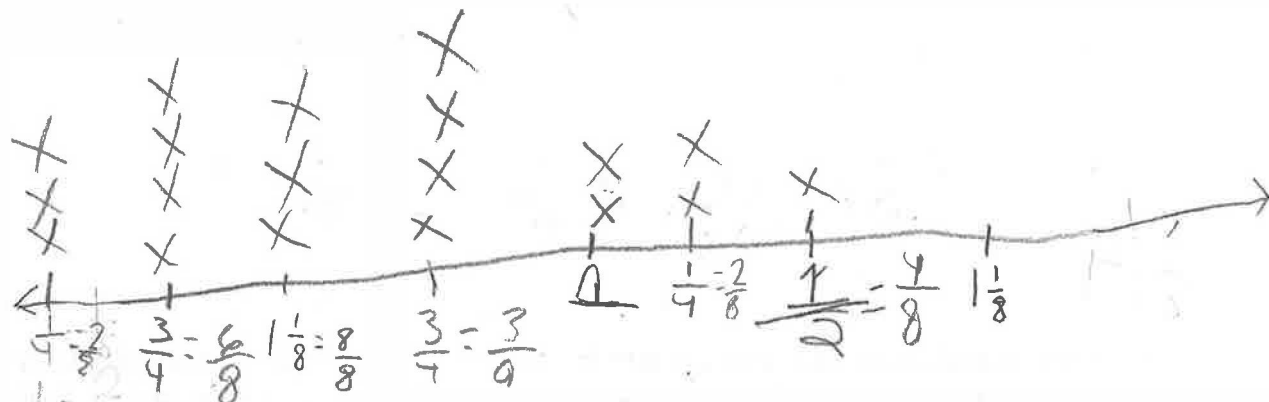
$1\frac{1}{8}$ pounds

$1\frac{1}{4}$ pounds

$\frac{5}{8}$ pound

$1\frac{1}{4}$ pounds

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound

$1\frac{1}{2}$ pounds

$\frac{3}{4}$ pound

$\frac{3}{8}$ pound

$\frac{7}{8}$ pound

$\frac{1}{4}$ pound

$\frac{3}{8}$ pound

1 pound

Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{3}{4} = \frac{6}{8}$$

$$\begin{array}{r} \frac{3}{4} \\ \frac{3}{4} \\ + \frac{3}{4} \\ \hline 1\frac{4}{4} \\ \frac{3}{4} \\ + \frac{3}{4} \\ \hline 2\frac{1}{4} \\ + \frac{3}{4} \end{array}$$

$$\frac{12}{4} = 3 \text{ pounds}$$

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$3\frac{3}{8}$$

$$3\frac{3}{8} + 2\frac{4}{8} = 5\frac{7}{8}$$

$$5\frac{7}{8} + 3\frac{4}{8} = 8\frac{11}{8}$$

$$1\frac{1}{8} + 1 = \frac{1}{8}$$

$$\frac{24}{8} \text{ or}$$

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

$$3 \cdot \frac{3}{8}$$

pounds

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have? Write a numerical equation and draw a picture/model to support.

$$\frac{6}{8} \times \frac{4}{1}$$

$$\frac{24}{8} = 3 \text{ Pounds}$$

$$\frac{6}{8}$$

$$15\frac{7}{8}$$

$$16\frac{12}{8} - 15\frac{7}{8}$$

During a class field trip to the movies, each student bought a bag of bulk candy.
The following are the bags of candy measured to the nearest eighth of a pound.
Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound = $\frac{2}{8}$

$\frac{3}{4}$ pound = $\frac{6}{8}$

~~$1\frac{1}{8}$ pounds~~

$\frac{3}{4}$ pound = $\frac{6}{8}$

1 pound = $\frac{8}{8}$

$\frac{1}{4}$ pound — $\frac{2}{8}$

$\frac{1}{2}$ pound = $\frac{4}{8}$

~~$1\frac{1}{8}$ pounds~~

$1\frac{1}{4}$ pounds = $\frac{5}{8}$

~~$\frac{5}{8}$ pound~~

$1\frac{1}{4}$ pounds = $\frac{5}{8}$

~~$1\frac{1}{8}$ pounds~~

$\frac{3}{4}$ pound = $\frac{6}{8}$

$1\frac{1}{2}$ pounds = $1\frac{4}{8}$ $= 1$

$\frac{3}{4}$ pound = $\frac{6}{8}$

~~$\frac{3}{8}$ pound~~

~~$\frac{7}{8}$ pound~~

$\frac{1}{4}$ pound = $\frac{2}{8}$

~~$\frac{3}{8}$ pound~~

1 pound = $\frac{8}{8}$

$1\frac{1}{x8} = \frac{9}{8} \times 3 = T$

$\frac{27}{8} = 3\frac{3}{8}$

$1\frac{4}{8}\big) \overline{\frac{7}{8}}$

$3\frac{3}{8}, 0, 10$

$1\frac{7}{8}$

$\frac{8}{8}$

$3\frac{0}{8}, \frac{0}{8}$

$1\frac{7}{8}$

$4\frac{8}{8}$

$6\frac{8}{8}$

$+\frac{6}{8}$

$14\frac{5}{8}$
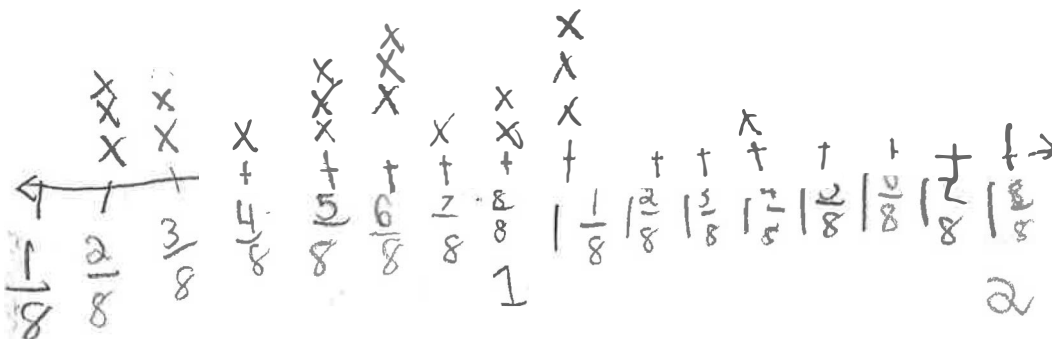
$\frac{6 \times 4}{8} = \frac{1}{1}$

$\frac{24}{8} = 3$

$\frac{5 \times 3}{8} = \frac{1}{1}$

$\frac{15}{8} =$

$\frac{3}{8} \times \frac{2}{1} = \frac{6}{8}$

$\frac{2}{8} \times \frac{3}{1} = \frac{6}{8}$

$8\overline{)37}$
$\underline{-32}$
$\;\;05$

Q3

Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{3}{4} + \frac{3}{4} = \frac{6}{4} \qquad \frac{6}{4} + \frac{6}{4} = \frac{12}{4} = 3$$

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$1\frac{4}{8}_{\times 8} = \frac{9}{8} \times 3 = \frac{27}{8} = 3\frac{3}{8} \qquad 8\overline{)27} \qquad 1\frac{4}{8}_{\times 8} = \frac{13}{8}$$
$$-24$$
$$03$$

$$9\frac{3}{8} \qquad 1 + 1 = 2$$

$$3\frac{3}{8} + 1\frac{4}{8} + 2 = \boxed{6\frac{7}{8}} \qquad 2 = 16/8$$
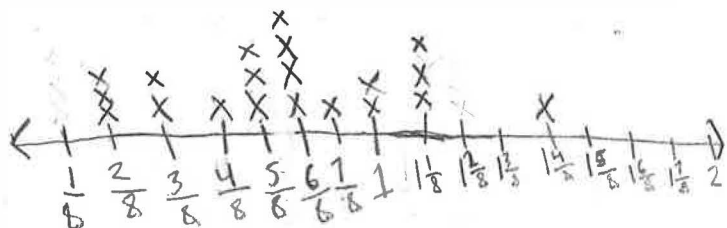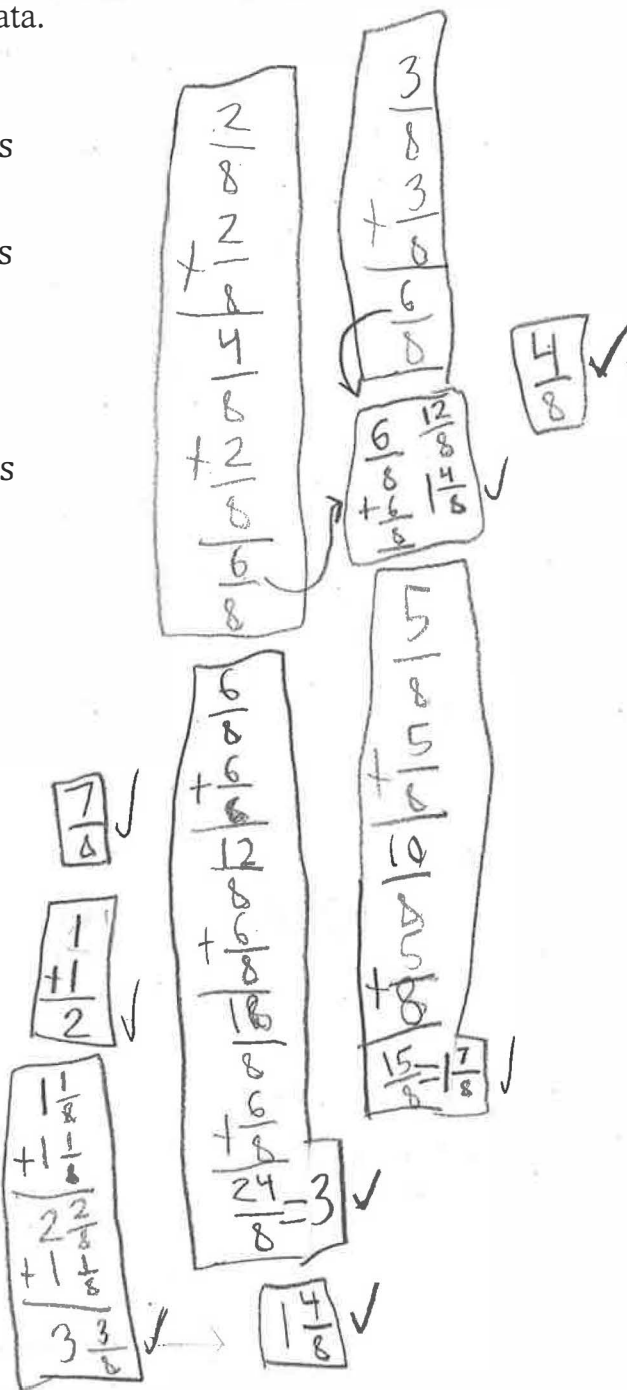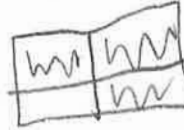

$$3\frac{3}{8} + 1\frac{4}{8} + 2 = \frac{13}{8} +$$

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?

During a class field trip to the movies, each student bought a bag of bulk candy.
The following are the bags of candy measured to the nearest eighth of a pound.
Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound

$\frac{3}{4}$ pound

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound

1 pound

$\frac{1}{4}$ pound

$\frac{1}{2}$ pound

$1\frac{1}{8}$ pounds

$1\frac{1}{4}$ pounds

$\frac{5}{8}$ pound

$1\frac{1}{4}$ pounds

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound

$1\frac{1}{2}$ pounds

$\frac{3}{4}$ pound

$\frac{3}{8}$ pound

$\frac{7}{8}$ pound

$\frac{1}{4}$ pound

$\frac{3}{8}$ pound

1 pound

$2+3=5$

5

$3\frac{3}{8}$

$8\frac{3}{8}$

$1\frac{4}{8}$

$9\frac{7}{8}$

$1\frac{1}{8}$

$11\frac{4}{8}$

$1\frac{4}{8}$

$12\frac{5}{8}$

$\frac{7}{8}$

$13\frac{5}{8}$

$\frac{4}{8}$

$13\frac{8}{8}$

$\frac{2}{8}$
$\times \frac{2}{8}$
$\frac{4}{8}$
$+\cdot2$
$\frac{8}{8}$
$\frac{6}{8}$

$\frac{3}{8}$
$+\frac{3}{8}$
$\frac{6}{8}$

$\frac{6}{8} \quad \frac{12}{8}$
$+\frac{6}{8} \quad 1\frac{4}{8}$

$\boxed{\frac{4}{8}}$ ✓

$\boxed{\frac{7}{8}}$ ✓

$\frac{6}{8}$
$+\frac{6}{8}$
$\frac{12}{8}$
$+\frac{6}{8}$
$\frac{18}{8}$
$+\frac{6}{8}$
$\frac{24}{8} = 3$ ✓

$\frac{5}{8}$
$+\frac{5}{8}$
$\frac{10}{8}$
$+\frac{5}{8}$
$\frac{15}{8} = 1\frac{7}{8}$ ✓

$\boxed{1\frac{4}{8}}$ ✓

$\boxed{+1 \atop 2}$ ✓

$1\frac{1}{8}$
$+1\frac{1}{8}$
$2\frac{2}{8}$
$+1\frac{1}{8}$
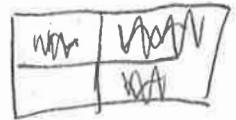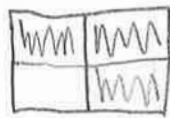$3\frac{3}{8}$ ✓

Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{3}{4}$$
$$+\frac{3}{4}$$
$$\frac{6}{4}$$
$$+\frac{6}{4}$$
$$\frac{12}{4}$$

$$\frac{3}{4}$$
$$+\frac{3}{4}$$
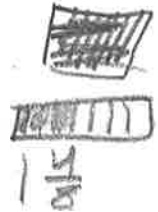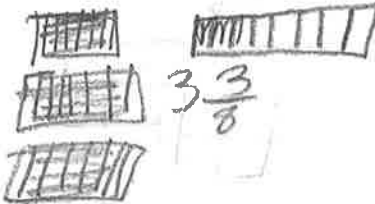$$\frac{6}{4}$$

$$1\frac{2}{4}+1\frac{2}{4}=2\frac{4}{4}=3$$

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$1+1=2$$

$$1\frac{1}{8}$$
$$+1\frac{1}{8}$$
$$2\frac{2}{8}$$
$$1\frac{1}{8}$$
$$3\frac{3}{8}$$

$$2+3\frac{3}{8}=5\frac{3}{8}+1\frac{4}{8}=6\frac{7}{8}$$

$$9\frac{3}{8}$$

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?

Name _____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{3}{4} + \frac{3}{4} = \frac{6}{4} = 1\frac{2}{4} \qquad 1\frac{2}{4} + 1\frac{2}{4} = 2\frac{4}{4} = 3$$

$$\frac{3}{4} + \frac{3}{4} = \frac{6}{4} = 1\frac{2}{4}$$

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$1 + 1 = 2$$

$$1\frac{1}{8} + 1\frac{1}{8} + 1\frac{1}{8} = 3\frac{3}{8} \qquad 3\frac{3}{8} + 2 = 5\frac{3}{8}$$

$$5\frac{3}{8} + 1\frac{4}{8} = 6\frac{7}{8}$$

$$3\frac{3}{8}$$

$$2\frac{4}{8}$$

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

$$1\frac{4}{8}$$

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?

$$\frac{2}{8} + \frac{2}{8} + \frac{2}{8} = \frac{6}{8} \qquad \frac{3}{8} + \frac{3}{8} = \frac{6}{8} \qquad \frac{5}{8} + \frac{5}{8} + \frac{5}{8} = \frac{15}{8} = 1\frac{7}{8} \qquad 1\frac{1}{8} + 1\frac{1}{8} + 1\frac{1}{8} = 3\frac{3}{8}$$

$$\frac{6}{8} + \frac{6}{8} = \frac{12}{8} = 1\frac{4}{8} + \frac{4}{8} = 2 \qquad 2 + 1\frac{3}{8} = 3\frac{3}{8} \qquad 4\frac{5}{8} + 3\frac{3}{8} = 13$$

$$\frac{6}{8} + \frac{6}{8} + \frac{6}{8} + \frac{6}{8} = \frac{24}{8} = 3 \qquad 3 + 3\frac{3}{8} = 6\frac{3}{8} + \frac{7}{8} = 7\frac{5}{8} + 2 = 9\frac{5}{8} \qquad 13 + 1\frac{4}{8} = 14\frac{4}{8}$$

During a class field trip to the movies, each student bought a bag of bulk candy. The following are the bags of candy measured to the nearest eighth of a pound. Organize the data and create a line plot to display the data.

√ $\frac{1}{4}$ pound

$\frac{3}{4}$ pound √

$1\frac{1}{8}$ pounds √

$\frac{3}{4}$ pound √

1 pound

$\frac{1}{4}$ pound √

$\frac{1}{2}$ pound √

$1\frac{1}{8}$ pounds

$1\frac{1}{4}$ pounds

$\frac{5}{8}$ pound

$1\frac{1}{4}$ pounds √

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound √

$1\frac{1}{2}$ pounds √

$\frac{3}{4}$ pound √

$\frac{3}{8}$ pound √

$\frac{7}{8}$ pound √

$\frac{1}{4}$ pound √

$\frac{3}{8}$ pound √

1 pound

During a class field trip to the movies, each student bought a bag of bulk candy.
The following are the bags of candy measured to the nearest eighth of a pound.
Organize the data and create a line plot to display the data.

/ $\frac{1}{4}$ pound $= \frac{2}{8}$

/ $\frac{3}{4}$ pound $= \frac{6}{8}$

/ $1\frac{1}{8}$ pounds $= 1\frac{1}{8}$

/ $\frac{3}{4}$ pound $= \frac{6}{8}$

/ 1 pound $= 1$ pound

/ $\frac{1}{4}$ pound $= \frac{2}{8}$

/ $\frac{1}{2}$ pound $= \frac{4}{8}$

/ $1\frac{1}{8}$ pounds $= 1\frac{1}{8}$

/ $1\frac{1}{4}$ pounds $= 1\frac{2}{8}$

/ $\frac{5}{8}$ pound $= \frac{6}{8}$

/ $1\frac{1}{4}$ pounds $= 1\frac{4}{8}$

/ $1\frac{1}{8}$ pounds $= 1\frac{1}{8}$

/ $\frac{3}{4}$ pound $= \frac{6}{8}$

/ $1\frac{1}{2}$ pounds $= 1\frac{4}{8}$

/ $\frac{3}{4}$ pound $= \frac{6}{8}$

/ $\frac{3}{8}$ pound $= \frac{3}{8}$

/ $\frac{7}{8}$ pound $= \frac{7}{8}$

/ $\frac{1}{4}$ pound $= \frac{2}{8}$

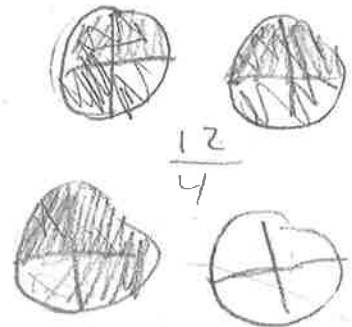/ $\frac{3}{8}$ pound $= \frac{3}{8}$

/ 1 pound $= 1$ pound

Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\frac{3}{4}$$
$$\frac{3}{4}$$
$$\frac{3}{4}$$
$$+\frac{3}{4}$$
$$\frac{12}{4}$$

$$4\overline{)12} \quad \text{3 pounds}$$
$$\underline{-12}$$
$$0$$

$$\frac{12}{4}$$

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$1\frac{1}{8}$$
$$1\frac{1}{8}$$
$$+1\frac{1}{8}$$
$$3\frac{3}{8} \checkmark$$

$$1\frac{2}{8}$$
$$+1\frac{2}{8}$$
$$2\frac{4}{8} \checkmark$$

$$3\frac{3}{8}$$
$$2\frac{4}{8}$$
$$1\frac{4}{8}$$
$$+3$$
$$9\frac{3}{8}$$

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?

$$15\frac{7}{8}$$

$$16\frac{4}{8} + \frac{5}{8}$$
$$-15\frac{7}{8}$$

$$15\frac{7}{8}$$

$$6\frac{12}{8}$$

During a class field trip to the movies, each student bought a bag of bulk candy. The following are the bags of candy measured to the nearest eighth of a pound. Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound ²/8

$\frac{3}{4}$ pound ⁶/8

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound ⁶/8

1 pound

$\frac{1}{4}$ pound ²/8

$\frac{1}{-}$ pound ⁴/8

$1\frac{1}{-}$ pounds

$1\frac{1}{4}$ pounds | ²/8

$\frac{5}{8}$ pound

$1\frac{1}{4}$ pounds 1²/8

$1\frac{1}{8}$ pounds

$\frac{3}{4}$ pound ⁴/8

$1\frac{1}{2}$ pounds 1⁷/8

$\frac{3}{4}$ pound ⁶/8

$\frac{3}{8}$ pound

$\frac{-}{8}$ pound

$\frac{1}{4}$ pound ⁴/8

$\frac{3}{8}$ pound

1 pound

Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$\frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} = \frac{12}{4}$

$4\overline{)12}$ ③ pounds
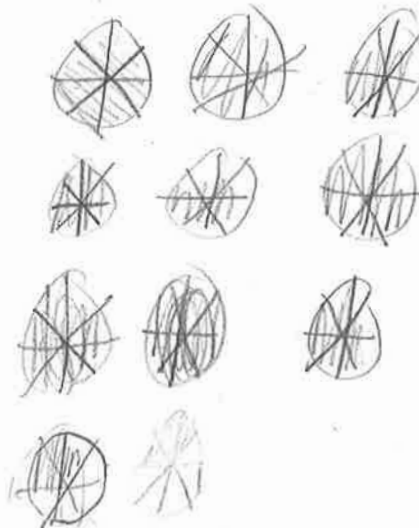$\underline{-12}$
$\quad 0$

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$2 + 1\frac{1}{8} + 1\frac{1}{8} + 1\frac{1}{8} + 1\frac{3}{8} + 1\frac{3}{8} + 1\frac{4}{8} =$

$1\frac{1}{8}$
$1\frac{1}{8}$
$\underline{1\frac{1}{8}}$
$3\frac{3}{8}$

$1\frac{3}{8}$
$\underline{1\frac{3}{8}}$
$2\frac{4}{8}$

$3\frac{3}{8}$
$2\frac{4}{8}$
$1\frac{4}{8}$
$\underline{+2\frac{4}{8}}$
$19\frac{3}{8}$

$\begin{array}{r} 11 \\ -\ 8 \\ \hline 3 \end{array}$

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have?

$16\frac{12}{8}$
$\underline{-15\frac{7}{8}}$
$\frac{5}{8}$

Some fifth grade students attended a birthday party on the weekend. They left with bags of candy that were from the piñata. Organize the data and create a line plot to display the data.

$\frac{1}{4}$ pound $= \frac{2}{8}$

$\frac{3}{4}$ pound $= \frac{6}{8}$

$1\frac{1}{8}$ pounds $= 1\frac{1}{8}$

$\frac{3}{4}$ pound $= \frac{6}{8}$

1 pound $= 1$ Pound

$\frac{1}{4}$ pound $= \frac{2}{8}$

$\frac{1}{2}$ pound $= \frac{4}{8}$

$1\frac{1}{8}$ pounds $= 1\frac{1}{8}$

$1\frac{1}{4}$ pounds $= 1.\frac{2}{8}$

$\frac{5}{8}$ pound $= \frac{5}{8}$

$1\frac{1}{4}$ pounds $= 1\frac{2}{8}$

$1\frac{1}{8}$ pounds $= 1\frac{1}{8}$

$\frac{3}{4}$ pound $= \frac{6}{8}$

$1\frac{1}{2}$ pounds $= 1\frac{4}{8}$

$\frac{3}{4}$ pound $= \frac{6}{8}$

$\frac{3}{8}$ pound $= \frac{3}{8}$

$\frac{7}{8}$ pound $= \frac{7}{8}$

$\frac{1}{4}$ pound $= \frac{2}{8}$

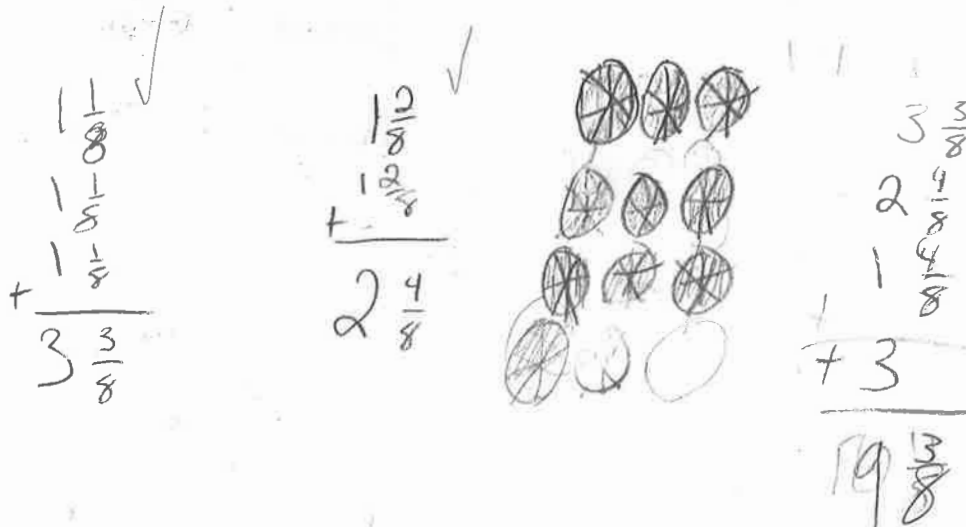$\frac{3}{8}$ pound $= \frac{3}{8}$

1 pound $= 1$ Pound

Name_____

Use your line plot created in the task *Bulk Candy Part One* or the information presented in the line graph *Bulk Candy Part Two,* to answer the following questions.

1. Suppose you took all the bags of candy that weighed $\frac{3}{4}$ pounds and combined them in one large bag. Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\begin{array}{r} 4\,|\overline{12} \\ \underline{-12} \\ 0\,0 \end{array}$$

3 pounds

2. Suppose you combined all the bags of candy that weighed one pound or more into a single bag. How much would this bag weigh? Write a numerical equation and draw a picture/model to show how you could find the total weight of the bag. Then find the total weight of the bag.

$$\begin{array}{r} 1\frac{1}{8} \\ 1\frac{1}{8} \\ +\,1\frac{1}{8} \\ \hline 3\frac{3}{8} \end{array}$$

$$\begin{array}{r} 1\frac{2}{8} \\ +\,1\frac{2}{8} \\ \hline 2\frac{4}{8} \end{array}$$

$$\begin{array}{r} 3\frac{3}{8} \\ 2\frac{4}{8} \\ 1\frac{4}{8} \\ +\,3 \\ \hline 19\frac{3}{8} \end{array}$$

3. If the total of candy were to change to 16 ½ pounds, what could be some additional fractional amounts the students may have? Write a numerical equation and draw a picture/model to support.

$$\begin{array}{r} 8\,|\overline{24} \\ \underline{24} \\ 6\,0 \end{array}$$

$$\begin{array}{r} 8\,|\overline{28} \\ \underline{24} \\ 4 \end{array}$$