Distributing Li		
n.		Answers
eet of paper into different The line plot below shows nches) of each piece.	 The line plot below shows the weight (in tons) of boxes on pallets. 	1
Each × = 1 Piece	$ \begin{array}{cccc} \times & & \text{Each} \times = 1 \text{ Pallet} \\ \times & & \times & \\ \times & & \times & \\ \hline & & \times & \\ \hline & & & & \\ \end{array} $	2 3 4
the sheet into equal sized ag would each piece be?	If the weight were redistributed evenly, how much weight would be on each pallet?	5. 6.
elow shows the pounds of of friends received. $\begin{array}{c} \times & & E_{ach} \\ \end{array}$ $\begin{array}{c} & & & \\ \times & & & \\ \times & & & \\ & & & \\ \times & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ \hline & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & &$	4) George cut a rope into different lengths. The line plot below shows the length (in feet) of the cut pieces. $ \frac{x + x + x + x}{\frac{x}{1/5} + \frac{2}{5} + \frac{3}{5} + \frac{4}{5} + \frac{5}{5}} \xrightarrow{\text{Prece}} $	
total amount of candy uch would each friend get?	If he had cut the rope so each piece was the same length, how long would each piece be?	
elow shows the amount of) in different containers. Each \times \parallel $\times \times \times$ $\frac{1}{4_{5}}$ $\frac{5}{5}$ Container	6) The line plot below shows the distance (in miles) that each member of a relay race travelled. $ \begin{array}{ccccccccccccccccccccccccccccccccccc$	
nt of liquid each container f the total amount were pually.	How far would each person have run if the distances were distributed evenly?	

Solve each problem.

1) Gwen tore a shee length pieces. Th the length (in inc



If she had tore th pieces, how long

3) The line plot bel candy a group of



If they split the t evenly, how mu

5) The line plot bel liquid (in liters)



Find the amount would have if if redistributed equ

Solve each problem.

1) Gwen tore a sheet of paper into different length pieces. The line plot below shows the length (in inches) of each piece.

If she had tore the sheet into equal sized pieces, how long would each piece be?

3) The line plot below shows the pounds of candy a group of friends received.



If they split the total amount of candy evenly, how much would each friend get?

5) The line plot below shows the amount of liquid (in liters) in different containers.



Find the amount of liquid each container would have if if the total amount were redistributed equally. 2) The line plot below shows the weight (in tons) of boxes on pallets.

Name:

$$\begin{array}{ccc} & \times & & \text{Each} \times = 1 \text{ Pallet} \\ & \times & & \\ &$$

If the weight were redistributed evenly, how much weight would be on each pallet?

4) George cut a rope into different lengths. The line plot below shows the length (in feet) of the cut pieces.

						Eac
					×	Bach ×
	×	×	×		×	11
	×	×	×		×	1 Pi
-	1/5	2/5	3/5	4/5	⁵ / ₅	1 Piece

If he had cut the rope so each piece was the same length, how long would each piece be?

6) The line plot below shows the distance (in miles) that each member of a relay race travelled.

$$\begin{array}{c} \times & & \times \\ \times & \times & \times \\ \times & \times & \times \\ \end{array} \xrightarrow{1/4} \begin{array}{c} 2/4 \\ 2/4 \end{array} \xrightarrow{3/4} \begin{array}{c} 4/4 \\ 4/4 \end{array}$$

How far would each person have run if the distances were distributed evenly?

Answer Key
Answers
1.
$$\frac{20}{27}$$

2. $\frac{16}{24} = \frac{2}{3}$
3. $\frac{21}{40}$
4. $\frac{27}{45} = \frac{3}{5}$
5. $\frac{14}{25}$
6. $\frac{13}{24}$

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