Distributing Line Plot Values   Name: _____

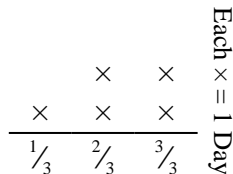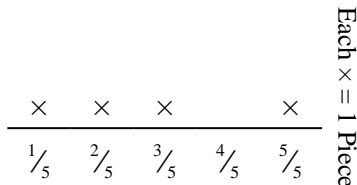**Solve each problem.**

Answers

1) The line plot below shows the amount of water a plant received (in cups) over the course of 5 days.

```
        ×   ×
    ×   ×   ×
    ⅓   ⅔   ³⁄₃
```
Each × = 1 Day

Find how many cups of water the plant would have received if it got the same amount each day.

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

```
    ×   ×   ×           ×
    ⅕   ⅖   ⅗   ⅘   ⁵⁄₅
```
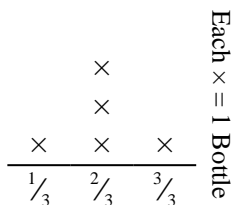Each × = 1 Piece

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

3) The line plot below shows the weight (in tons) of boxes on pallets.
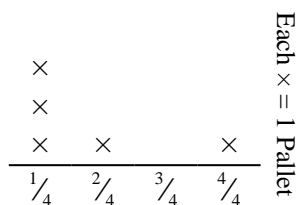
```
    ×
    ×
    ×   ×           ×
    ¼   ²⁄₄   ¾   ⁴⁄₄
```
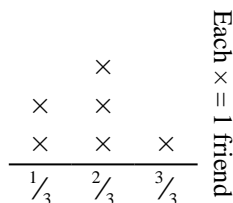Each × = 1 Pallet

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

4) The line plot below shows the weight (in grams) of vitamin bottles.

```
        ×
        ×
    ×   ×   ×
    ⅓   ⅔   ³⁄₃
```
Each × = 1 Bottle

If you were to redistribute the vitamins, so each bottle weighed the same amount, how heavy would each bottle be?

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

```
        ×
    ×   ×
    ×   ×   ×
    ⅓   ⅔   ³⁄₃
```
Each × = 1 friend

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

6) The line plot below shows the weight (in kilograms) that each cabinet shelf is holding.

```
    ×
    ×   ×
    ×   ×
    ⅓   ⅔   ³⁄₃
```
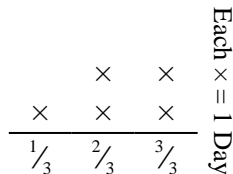Each × = 1 Shelf
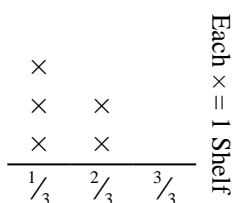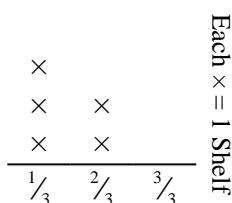
Find the amount of weight each shelf would have if the weight were redistributed equally.

Answers
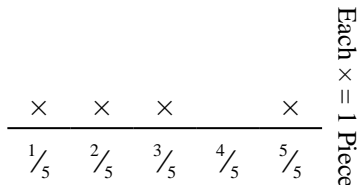1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Math

Solve each problem.

1) The line plot below shows the amount of water a plant received (in cups) over the course of 5 days.

```
        ×   ×
    ×   ×   ×          Each × = 1 Day
   ¹/₃  ²/₃  ³/₃
```
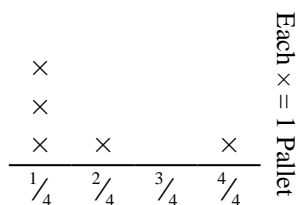
Find how many cups of water the plant would have received if it got the same amount each day.

2) Oliver cut a rope into different lengths. The line plot below shows the length (in feet) of the cut pieces.
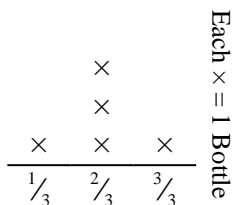
```
   ×   ×   ×           ×     Each × = 1 Piece
  ¹/₅  ²/₅  ³/₅  ⁴/₅  ⁵/₅
```

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

1. $\dfrac{11}{15}$

2. $\dfrac{11}{20}$

3. $\dfrac{9}{20}$

4. $\dfrac{10}{15} = \dfrac{2}{3}$

5. $\dfrac{11}{18}$

6. $\dfrac{7}{15}$

3) The line plot below shows the weight (in tons) of boxes on pallets.

```
   ×
   ×
   ×   ×           ×      Each × = 1 Pallet
  ¹/₄  ²/₄  ³/₄  ⁴/₄
```
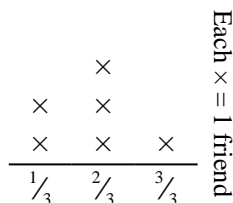
If the weight were redistributed evenly, how much weight would be on each pallet?

4) The line plot below shows the weight (in grams) of vitamin bottles.

```
       ×
       ×
   ×   ×   ×        Each × = 1 Bottle
  ¹/₃  ²/₃  ³/₃
```

If you were to redistribute the vitamins, so each bottle weighed the same amount, how heavy would each bottle be?

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

```
       ×
   ×   ×
   ×   ×   ×        Each × = 1 friend
  ¹/₃  ²/₃  ³/₃
```

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

6) The line plot below shows the weight (in kilograms) that each cabinet shelf is holding.

```
   ×
   ×   ×
   ×   ×            Each × = 1 Shelf
  ¹/₃  ²/₃  ³/₃
```

Find the amount of weight each shelf would have if the weight were redistributed equally.

Math   www.CommonCoreSheets.com