Fraction Comparisons With Tape Diagram   Name:

Solve each problem using a tape diagram.

Ex) Two years ago the fair had $\frac{1}{2}$ as many people as 1 year ago. 1 year ago the fair had $\frac{2}{6}$ as many people as this year. This year the fair had 210 people. How many people did the fair have 2 years ago?

Ex. _____**35**_____

1. _____

2. _____

3. _____

4. _____

1) Maria was trying to determine the weight of a small rock. She determined the small rock was $\frac{1}{3}$ as heavy as a medium rock. The medium rock was $\frac{3}{9}$ as heavy as a large rock. The large rock weighed 630 grams. How heavy was the small rock?

2) A chef was ordering vegetables for his restaurant. He order $351 worth of potatoes. He also spent $\frac{2}{9}$ as much on tomatoes. Finally he spent $\frac{1}{2}$ as much on green beans as he did on tomatoes. How much did he spend on green beans?
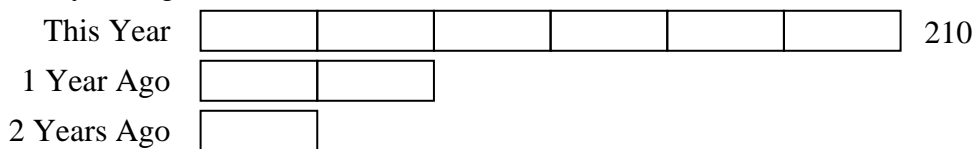
3) Debby was looking at her Nintendo collection. She had 693 wiiU games. She had $\frac{2}{7}$ as many DS games and $\frac{1}{2}$ as many 3ds games as DS games. How many 3ds games does she have?

4) At the school fundraiser Adam earned $459. Bianca earned $\frac{6}{9}$ as much as Adam. And Cathy earned $\frac{5}{6}$ as much as Bianca. How much did Cathy earn?
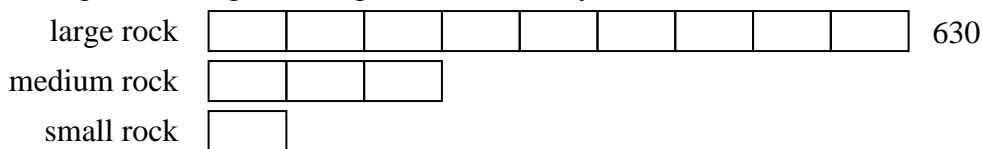
Math   www.CommonCoreSheets.com
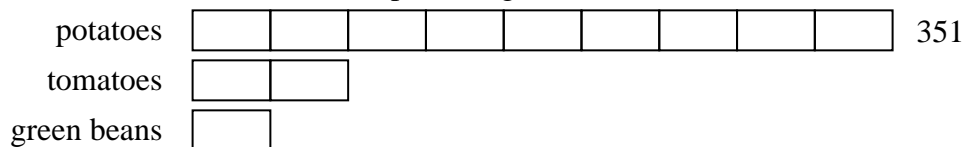
Solve each problem using a tape diagram.

Ex) Two years ago the fair had $\frac{1}{2}$ as many people as 1 year ago. 1 year ago the fair had $\frac{2}{6}$ as many people as this year. This year the fair had 210 people. How many people did the fair have 2 years ago?
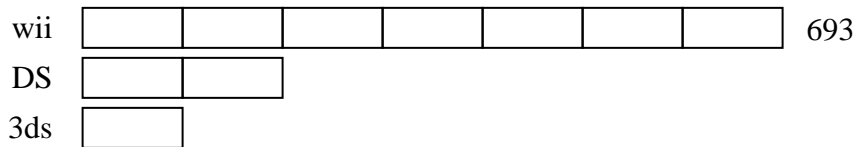
This Year | 210

1 Year Ago

2 Years Ago

Ex. ___ **35**

1. ___ **70**

1) Maria was trying to determine the weight of a small rock. She determined the small rock was $\frac{1}{3}$ as heavy as a medium rock. The medium rock was $\frac{3}{9}$ as heavy as a large rock. The large rock weighed 630 grams. How heavy was the small rock?
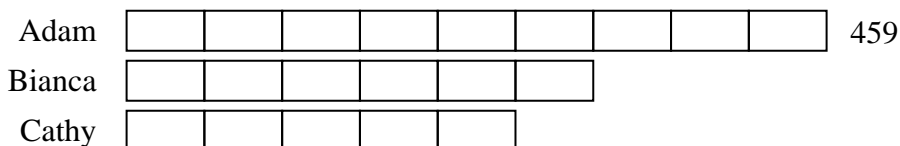
large rock | 630

medium rock

small rock

2. ___ **39**

3. ___ **99**

2) A chef was ordering vegetables for his restaurant. He order $351 worth of potatoes. He also spent $\frac{2}{9}$ as much on tomatoes. Finally he spent $\frac{1}{2}$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

potatoes | 351

tomatoes

green beans

4. ___ **255**

3) Debby was looking at her Nintendo collection. She had 693 wiiU games. She had $\frac{2}{7}$ as many DS games and $\frac{1}{2}$ as many 3ds games as DS games. How many 3ds games does she have?

wii | 693

DS

3ds

4) At the school fundraiser Adam earned $459. Bianca earned $\frac{6}{9}$ as much as Adam. And Cathy earned $\frac{5}{6}$ as much as Bianca. How much did Cathy earn?

Adam | 459

Bianca

Cathy

1-4 | 75 | 50 | 25 | 0