Solve each problem using a tape diagram.

Ex) A chef was ordering vegetables for his restaurant. He order $96 worth of potatoes. He also spent $^2/_6$ as much on tomatoes. Finally he spent $^1/_2$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

Ex. _____**16**_____

1. _____

2. _____

3. _____

1) At the school fundraiser Adam earned $120. Bianca earned $^3/_{10}$ as much as Adam. And Cathy earned $^2/_3$ as much as Bianca. How much did Cathy earn?

4. _____

2) On Super Bowl Sunday a store sold 420 sodas. They sold $^2/_{10}$ as many bags of chips. They also sold $^1/_2$ as many jars of dip as bags of chips. How many jars of dip did they sell?

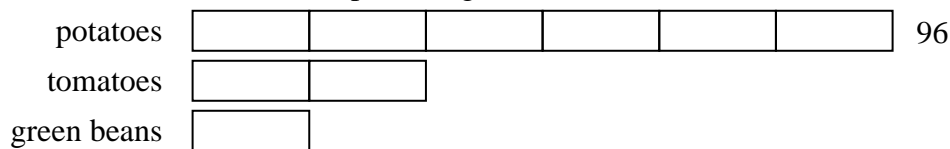**3)** Debby was looking at her Nintendo collection. She had 410 wiiU games. She had $^4/_5$ as many DS games and $^2/_4$ as many 3ds games as DS games. How many 3ds games does she have?

4) Two years ago the fair had $^1/_5$ as many people as 1 year ago. 1 year ago the fair had $^5/_9$ as many people as this year. This year the fair had 855 people. How many people did the fair have 2 years ago?
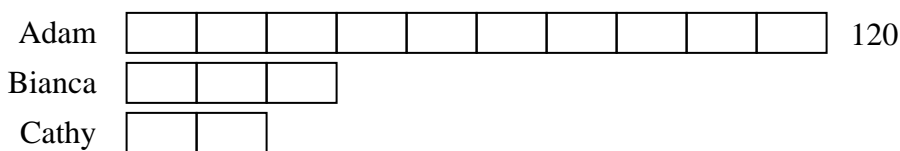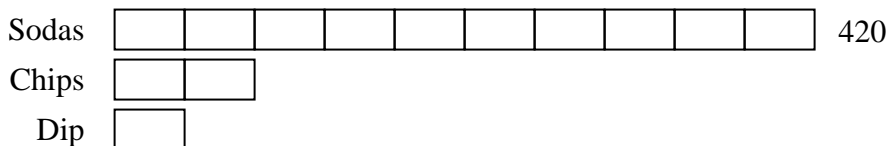
Solve each problem using a tape diagram.

Ex) A chef was ordering vegetables for his restaurant. He order $96 worth of potatoes. He also spent $\frac{2}{6}$ 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?
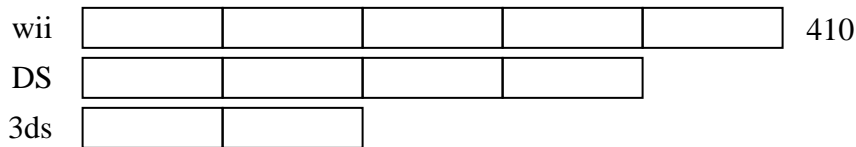
potatoes							96

tomatoes

green beans

Ex. **16**

1. **24**

2. **42**

3. **164**

4. **95**

1) At the school fundraiser Adam earned $120. Bianca earned $\frac{3}{10}$ as much as Adam. And Cathy earned $\frac{2}{3}$ as much as Bianca. How much did Cathy earn?
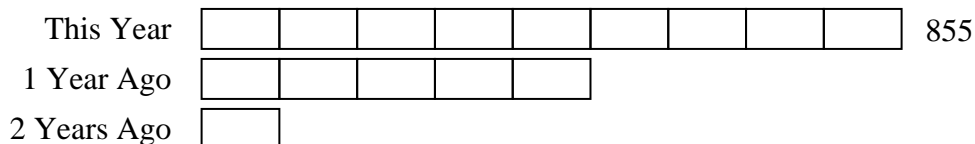
Adam   120

Bianca

Cathy

2) On Super Bowl Sunday a store sold 420 sodas. They sold $\frac{2}{10}$ as many bags of chips. They also sold $\frac{1}{2}$ as many jars of dip as bags of chips. How many jars of dip did they sell?

Sodas   420

Chips

Dip

3) Debby was looking at her Nintendo collection. She had 410 wiiU games. She had $\frac{4}{5}$ as many DS games and $\frac{2}{4}$ as many 3ds games as DS games. How many 3ds games does she have?

wii   410

DS

3ds

4) Two years ago the fair had $\frac{1}{5}$ as many people as 1 year ago. 1 year ago the fair had $\frac{5}{9}$ as many people as this year. This year the fair had 855 people. How many people did the fair have 2 years ago?

This Year   855

1 Year Ago

2 Years Ago