Solve each problem using a tape diagram.

Ex) Sarah was trying to determine the weight of a small rock. She determined the small rock was $\frac{3}{9}$ as heavy as a medium rock. The medium rock was $\frac{9}{10}$ as heavy as a large rock. The large rock weighed 120 grams. How heavy was the small rock?

Ex. ____**36**____

1. _____

2. _____

3. _____

1) A chef was ordering vegetables for his restaurant. He order $432 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?

4. _____

2) Two years ago the fair had $\frac{1}{2}$ as many people as 1 year ago. 1 year ago the fair had $\frac{2}{7}$ as many people as this year. This year the fair had 154 people. How many people did the fair have 2 years ago?

3) At the school fundraiser Adam earned $215. Bianca earned $\frac{2}{5}$ as much as Adam. And Cathy earned $\frac{1}{2}$ as much as Bianca. How much did Cathy earn?
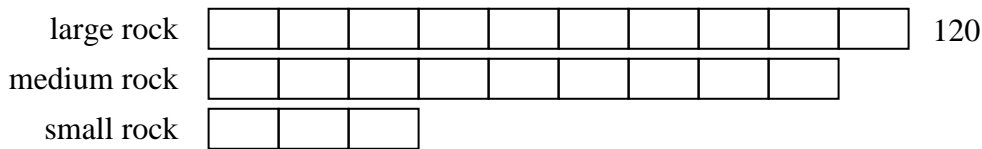
4) Maria was looking at her Nintendo collection. She had 784 wiiU games. She had $\frac{4}{8}$ as many DS games and $\frac{1}{4}$ as many 3ds games as DS games. How many 3ds games does she have?
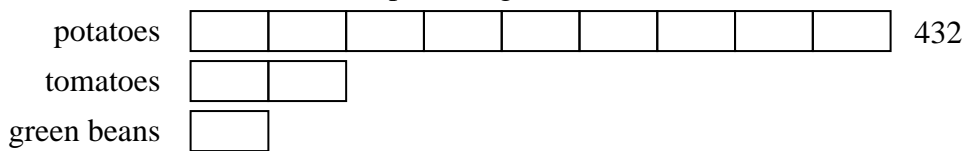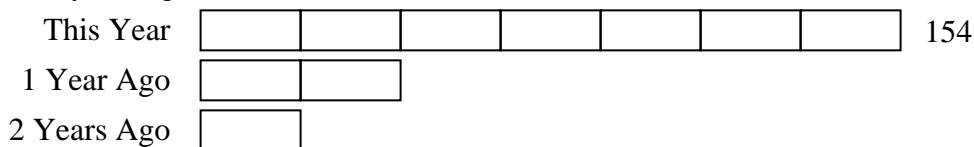
Solve each problem using a tape diagram.

Ex) Sarah was trying to determine the weight of a small rock. She determined the small rock was $3/9$ as heavy as a medium rock. The medium rock was $9/10$ as heavy as a large rock. The large rock weighed 120 grams. How heavy was the small rock?

large rock											120
medium rock										
small rock			

Ex. **36**

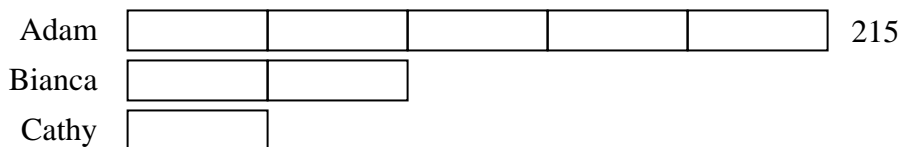**1)** A chef was ordering vegetables for his restaurant. He order \$432 worth of potatoes. He also spent $2/9$ as much on tomatoes. Finally he spent $1/2$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

potatoes									432
tomatoes		
green beans	

1. **48**

2) Two years ago the fair had $1/2$ as many people as 1 year ago. 1 year ago the fair had $2/7$ as many people as this year. This year the fair had 154 people. How many people did the fair have 2 years ago?

This Year								154
1 Year Ago		
2 Years Ago	

2. **22**

3) At the school fundraiser Adam earned \$215. Bianca earned $2/5$ as much as Adam. And Cathy earned $1/2$ as much as Bianca. How much did Cathy earn?

Adam						215
Bianca		
Cathy	

3. **43**

4) Maria was looking at her Nintendo collection. She had 784 wiiU games. She had $4/8$ as many DS games and $1/4$ as many 3ds games as DS games. How many 3ds games does she have?

wii								784
DS			
3ds	

4. **98**

1-4 | 75 | 50 | 25 | 0