Solve each problem using a tape diagram.

1) A chef was ordering vegetables for his restaurant. He order $792 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?

1. _____

2. _____

3. _____

4. _____

2) Two years ago the fair had $\frac{6}{7}$ as many people as 1 year ago. 1 year ago the fair had $\frac{7}{8}$ as many people as this year. This year the fair had 144 people. How many people did the fair have 2 years ago?

5. _____

3) Haley was looking at her Nintendo collection. She had 280 wiiU games. She had $\frac{8}{10}$ as many DS games and $\frac{3}{8}$ as many 3ds games as DS games. How many 3ds games does she have?

4) On Super Bowl Sunday a store sold 639 sodas. They sold $\frac{5}{9}$ as many bags of chips. They also sold $\frac{3}{5}$ as many jars of dip as bags of chips. How many jars of dip did they sell?

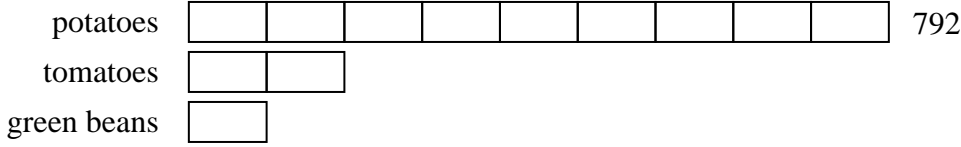5) At the school fundraiser Adam earned $320. Bianca earned $\frac{7}{8}$ as much as Adam. And Cathy earned $\frac{1}{7}$ as much as Bianca. How much did Cathy earn?

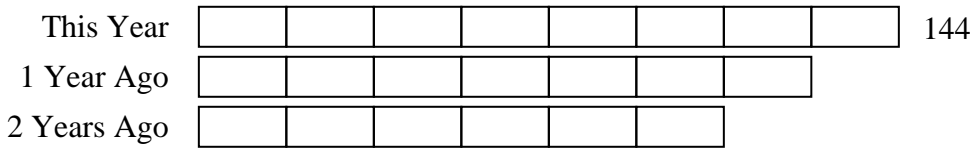**Solve each problem using a tape diagram.**
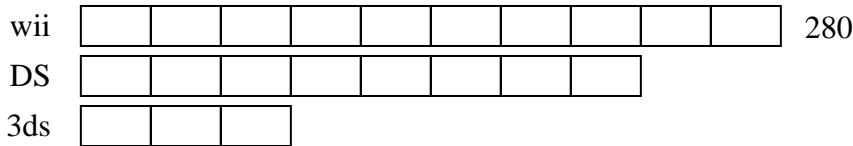
1) A chef was ordering vegetables for his restaurant. He order $792 worth of potatoes. He also spent $2/9$ as much on tomatoes. Finally he spent $1/2$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

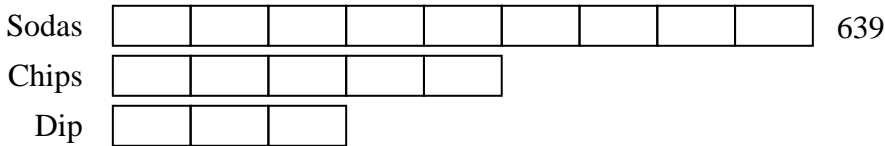potatoes [| | | | | | | |] 792

tomatoes [|]

green beans [ ]

2) Two years ago the fair had $6/7$ as many people as 1 year ago. 1 year ago the fair had $7/8$ as many people as this year. This year the fair had 144 people. How many people did the fair have 2 years ago?

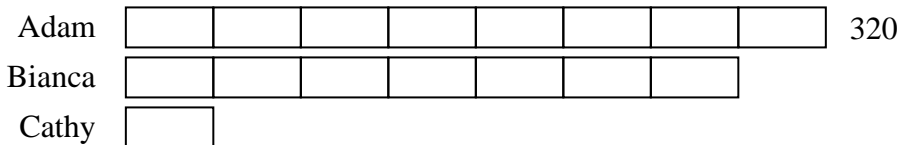This Year [| | | | | | |] 144

1 Year Ago [| | | | | |]

2 Years Ago [| | | | |]

3) Haley was looking at her Nintendo collection. She had 280 wiiU games. She had $8/10$ as many DS games and $3/8$ as many 3ds games as DS games. How many 3ds games does she have?

wii [| | | | | | | | |] 280

DS [| | | | | | |]

3ds [| |]

4) On Super Bowl Sunday a store sold 639 sodas. They sold $5/9$ as many bags of chips. They also sold $3/5$ as many jars of dip as bags of chips. How many jars of dip did they sell?

Sodas [| | | | | | | |] 639

Chips [| | | |]

Dip [| |]

5) At the school fundraiser Adam earned $320. Bianca earned $7/8$ as much as Adam. And Cathy earned $1/7$ as much as Bianca. How much did Cathy earn?

Adam [| | | | | | |] 320

Bianca [| | | | | |]

Cathy [ ]

1.	**88**	
2.	**108**	
3.	**84**	
4.	**213**	
5.	**40**	