Fraction Comparisons With Tape Diagram

Name: _____
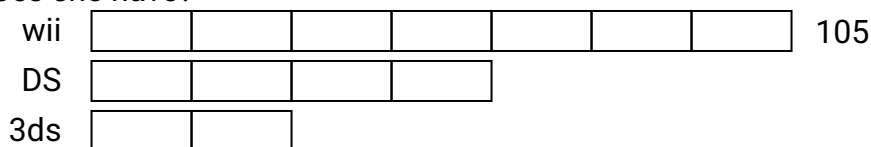
Solve each problem using a tape diagram.

Ex) Isabel was looking at her Nintendo collection. She had 105 wiiU games. She had $4/7$ as many DS games and $2/4$ as many 3ds games as DS games. How many 3ds games does she have?
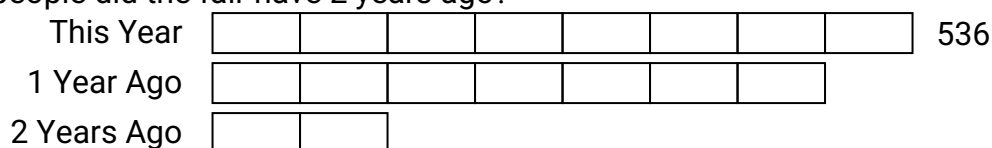
Ex. _____**30**_____

wii [ ][ ][ ][ ][ ][ ][ ] 105

DS [ ][ ][ ][ ]

3ds [ ][ ]

1. _____

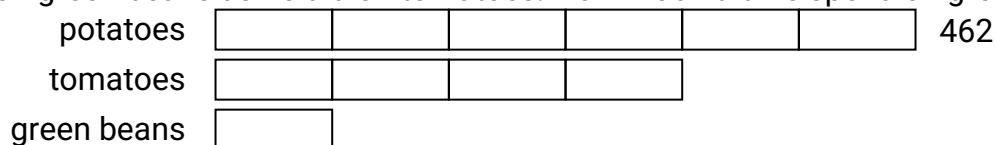**1)** Two years ago the fair had $2/7$ as many people as 1 year ago. 1 year ago the fair had $7/8$ as many people as this year. This year the fair had 536 people. How many people did the fair have 2 years ago?

2. _____
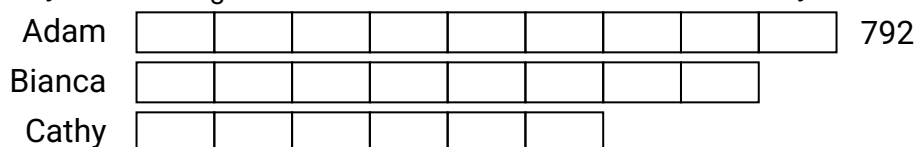
This Year [ ][ ][ ][ ][ ][ ][ ][ ] 536

1 Year Ago [ ][ ][ ][ ][ ][ ][ ]

2 Years Ago [ ][ ]

3. _____

4. _____

2) On Super Bowl Sunday a store sold 700 sodas. They sold $5/10$ as many bags of chips. They also sold $1/5$ as many jars of dip as bags of chips. How many jars of dip did they sell?

Sodas [ ][ ][ ][ ][ ][ ][ ][ ][ ][ ] 700

Chips [ ][ ][ ][ ][ ]

Dip [ ]

3) A chef was ordering vegetables for his restaurant. He order $462 worth of potatoes. He also spent $4/6$ as much on tomatoes. Finally he spent $1/4$ as much on green beans as he did on tomatoes. How much did he spend on green beans?
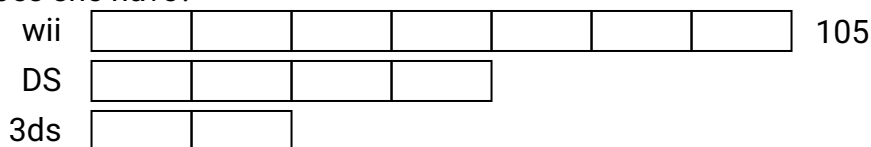
potatoes [ ][ ][ ][ ][ ][ ] 462

tomatoes [ ][ ][ ][ ]

green beans [ ]

4) At the school fundraiser Adam earned $792. Bianca earned $8/9$ as much as Adam. And Cathy earned $6/8$ as much as Bianca. How much did Cathy earn?
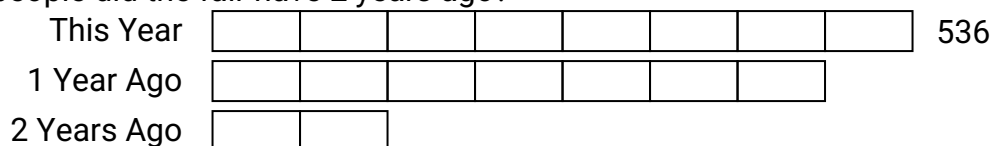
Adam [ ][ ][ ][ ][ ][ ][ ][ ][ ] 792

Bianca [ ][ ][ ][ ][ ][ ][ ][ ]

Cathy [ ][ ][ ][ ][ ][ ]

Fraction Comparisons With Tape Diagram   Name: **Answer Key**

Solve each problem using a tape diagram.

Answers

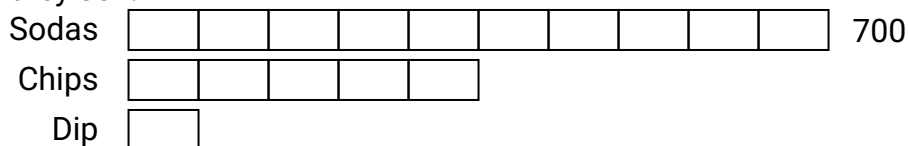**Ex)** Isabel was looking at her Nintendo collection. She had 105 wiiU games. She had $^4/_7$ as many DS games and $^2/_4$ as many 3ds games as DS games. How many 3ds games does she have?
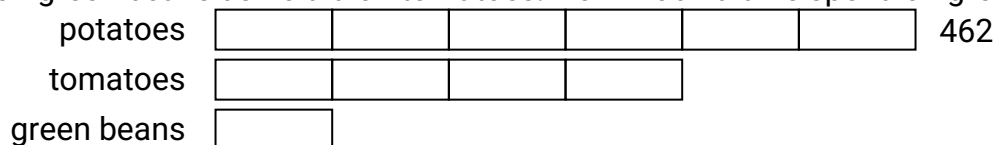
Ex.   **30**

wii   ▭▭▭▭▭▭▭   105

DS   ▭▭▭▭

3ds   ▭▭

1.   **134**

1) Two years ago the fair had $^2/_7$ 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 536 people. How many people did the fair have 2 years ago?
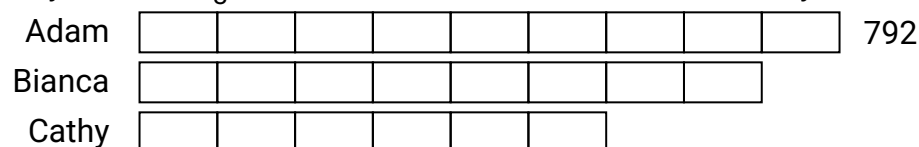
2.   **70**

This Year   ▭▭▭▭▭▭▭▭   536

1 Year Ago   ▭▭▭▭▭▭▭

2 Years Ago   ▭▭

3.   **77**

2) On Super Bowl Sunday a store sold 700 sodas. They sold $^5/_{10}$ as many bags of chips. They also sold $^1/_5$ as many jars of dip as bags of chips. How many jars of dip did they sell?

4.   **528**

Sodas   ▭▭▭▭▭▭▭▭▭▭   700

Chips   ▭▭▭▭▭

Dip   ▭

3) A chef was ordering vegetables for his restaurant. He order $462 worth of potatoes. He also spent $^4/_6$ as much on tomatoes. Finally he spent $^1/_4$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

potatoes   ▭▭▭▭▭▭   462

tomatoes   ▭▭▭▭

green beans   ▭

4) At the school fundraiser Adam earned $792. Bianca earned $^8/_9$ as much as Adam. And Cathy earned $^6/_8$ as much as Bianca. How much did Cathy earn?

Adam   ▭▭▭▭▭▭▭▭▭   792

Bianca   ▭▭▭▭▭▭▭▭

Cathy   ▭▭▭▭▭▭