Fraction Comparisons With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

Ex) Robin was looking at her Nintendo collection. She had 96 wiiU games. She had $\frac{7}{8}$ as many DS games and $\frac{4}{7}$ as many 3ds games as DS games. How many 3ds games does she have?
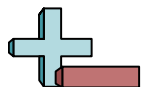
Ex. _____ **48** _____

1. _____

2. _____

3. _____

4. _____

1) A chef was ordering vegetables for his restaurant. He order $117 worth of potatoes. He also spent $\frac{6}{9}$ as much on tomatoes. Finally he spent $\frac{3}{6}$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

2) On Super Bowl Sunday a store sold 252 sodas. They sold $\frac{2}{6}$ 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?
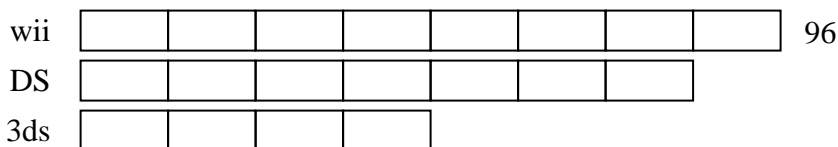
3) Two years ago the fair had $\frac{6}{8}$ as many people as 1 year ago. 1 year ago the fair had $\frac{8}{9}$ as many people as this year. This year the fair had 558 people. How many people did the fair have 2 years ago?

4) At the school fundraiser Adam earned $144. Bianca earned $\frac{4}{6}$ as much as Adam. And Cathy earned $\frac{3}{4}$ as much as Bianca. How much did Cathy earn?
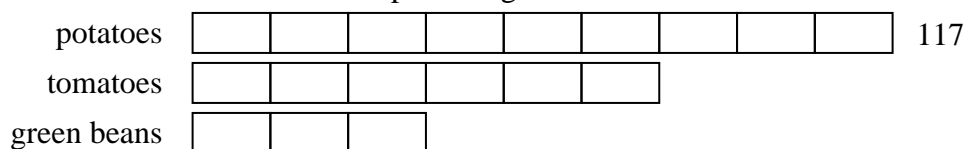
1-4 | 75 | 50 | 25 | 0

Math   www.CommonCoreSheets.com

Name: **Answer Key**
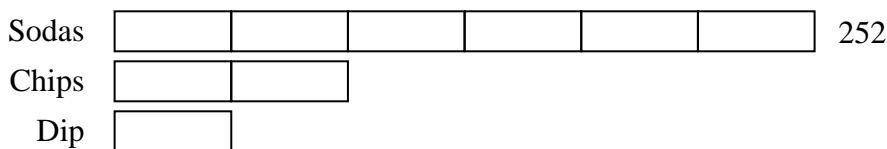
Solve each problem using a tape diagram.

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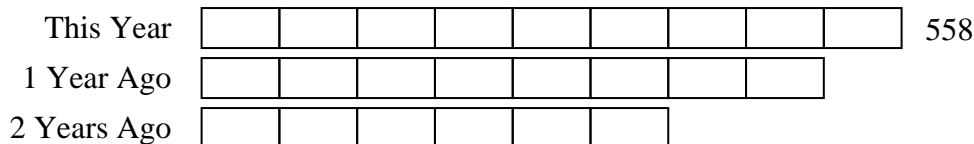
wii | 96

DS

3ds

Ex. **48**

1. **39**

2. **42**

3. **372**

4. **72**

1) A chef was ordering vegetables for his restaurant. He order $117 worth of potatoes. He also spent $\frac{6}{9}$ as much on tomatoes. Finally he spent $\frac{3}{6}$ as much on green beans as he did on tomatoes. How much did he spend on green beans?
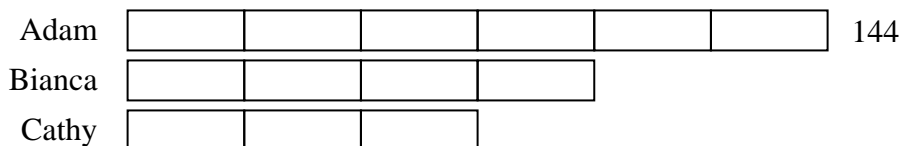
potatoes | 117

tomatoes

green beans

2) On Super Bowl Sunday a store sold 252 sodas. They sold $\frac{2}{6}$ 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 | 252

Chips

Dip

3) Two years ago the fair had $\frac{6}{8}$ as many people as 1 year ago. 1 year ago the fair had $\frac{8}{9}$ as many people as this year. This year the fair had 558 people. How many people did the fair have 2 years ago?

This Year | 558

1 Year Ago

2 Years Ago

4) At the school fundraiser Adam earned $144. Bianca earned $\frac{4}{6}$ as much as Adam. And Cathy earned $\frac{3}{4}$ as much as Bianca. How much did Cathy earn?

Adam | 144

Bianca

Cathy

Math

1-4 | 75 | 50 | 25 | 0