Fraction Comparisons With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

Ex) A chef was ordering vegetables for his restaurant. He order $203 worth of potatoes. He also spent $^6/_7$ as much on tomatoes. Finally he spent $^2/_6$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

Ex. **58**

1) At the school fundraiser Adam earned $531. Bianca earned $^6/_9$ as much as Adam. And Cathy earned $^2/_6$ as much as Bianca. How much did Cathy earn?

1. _____

2. _____

3. _____

4. _____

2) Nancy was trying to determine the weight of a small rock. She determined the small rock was $^1/_2$ as heavy as a medium rock. The medium rock was $^2/_9$ as heavy as a large rock. The large rock weighed 225 grams. How heavy was the small rock?
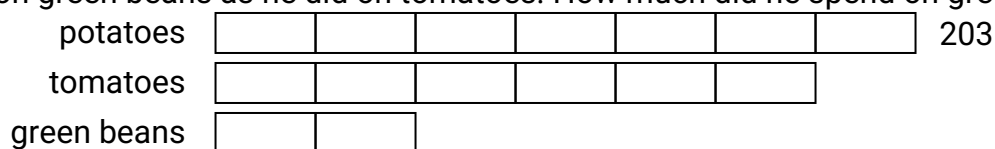
3) Two years ago the fair had $^2/_3$ as many people as 1 year ago. 1 year ago the fair had $^3/_5$ as many people as this year. This year the fair had 165 people. How many people did the fair have 2 years ago?

4) On Super Bowl Sunday a store sold 470 sodas. They sold $^7/_{10}$ as many bags of chips. They also sold $^3/_7$ as many jars of dip as bags of chips. How many jars of dip did they sell?

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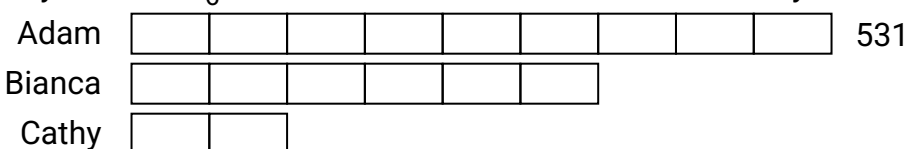1-4 | 75 | 50 | 25 | 0
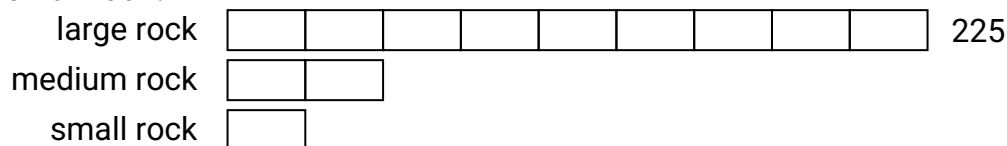
Answer Key

Solve each problem using a tape diagram.

Ex) A chef was ordering vegetables for his restaurant. He order $203 worth of potatoes. He also spent $^6/_7$ as much on tomatoes. Finally he spent $^2/_6$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

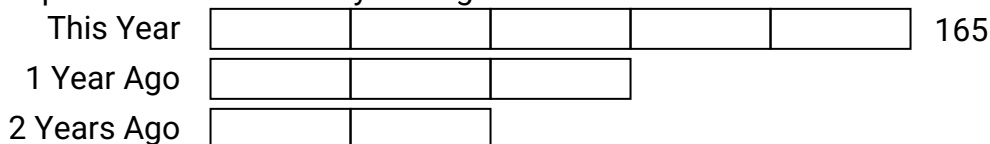| potatoes | | | | | | | | 203 |
| tomatoes | | | | | | | |
| green beans | | |

Ex. **58**

1. **118**

2. **25**

3. **66**

4. **141**

1) At the school fundraiser Adam earned $531. Bianca earned $^6/_9$ as much as Adam. And Cathy earned $^2/_6$ as much as Bianca. How much did Cathy earn?

Adam										531
Bianca						
Cathy		

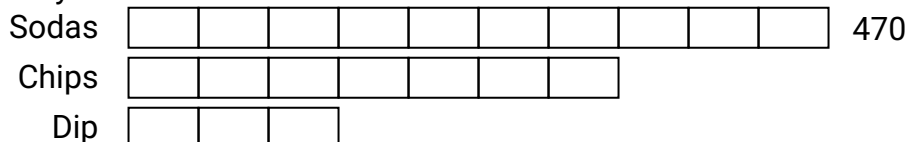**2)** Nancy was trying to determine the weight of a small rock. She determined the small rock was $^1/_2$ as heavy as a medium rock. The medium rock was $^2/_9$ as heavy as a large rock. The large rock weighed 225 grams. How heavy was the small rock?

large rock									225
medium rock		
small rock	

3) Two years ago the fair had $^2/_3$ as many people as 1 year ago. 1 year ago the fair had $^3/_5$ as many people as this year. This year the fair had 165 people. How many people did the fair have 2 years ago?

This Year					165
1 Year Ago			
2 Years Ago		

4) On Super Bowl Sunday a store sold 470 sodas. They sold $^7/_{10}$ as many bags of chips. They also sold $^3/_7$ as many jars of dip as bags of chips. How many jars of dip did they sell?

Sodas										470
Chips							
Dip		