Solve each problem using a tape diagram.

Ex) At the school fundraiser Adam earned \$88. Bianca earned $^7/_8$ as much as Adam. And Cathy earned $^1/_7$ as much as Bianca. How much did Cathy earn?
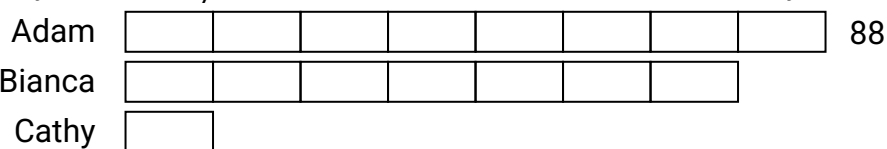
Ex. _____**11**_____

1) Rachel was trying to determine the weight of a small rock. She determined the small rock was $^5/_6$ as heavy as a medium rock. The medium rock was $^6/_8$ as heavy as a large rock. The large rock weighed 248 grams. How heavy was the small rock?

1. _____

2. _____

3. _____

4. _____

2) A chef was ordering vegetables for his restaurant. He order \$270 worth of potatoes. He also spent $^6/_{10}$ 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?

3) On Super Bowl Sunday a store sold 558 sodas. They sold $^5/_6$ as many bags of chips. They also sold $^4/_5$ as many jars of dip as bags of chips. How many jars of dip did they sell?

4) Two years ago the fair had $^3/_5$ as many people as 1 year ago. 1 year ago the fair had $^5/_8$ as many people as this year. This year the fair had 536 people. How many people did the fair have 2 years ago?

Math
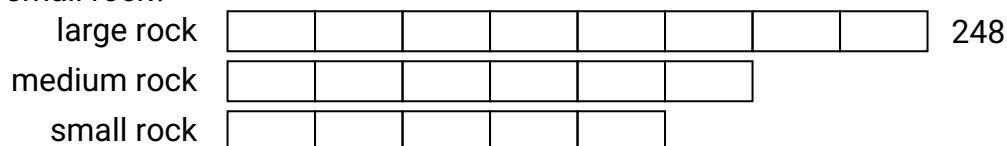
Solve each problem using a tape diagram.

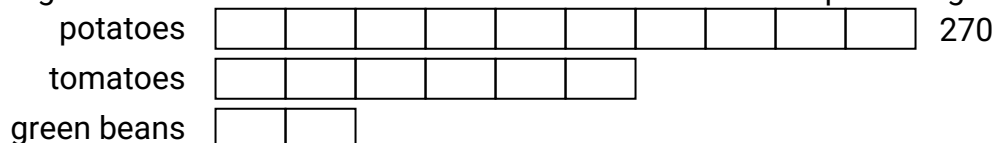**Ex)** At the school fundraiser Adam earned $88. Bianca earned $^7/_8$ as much as Adam. And Cathy earned $^1/_7$ as much as Bianca. How much did Cathy earn?

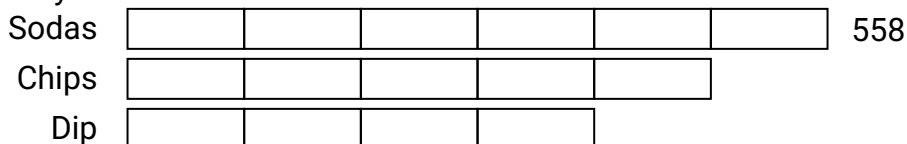| Adam | | | | | | | | | 88 |
| Bianca | | | | | | | | | |
| Cathy | | | | | | | | | |

Ex. **11**

1) Rachel was trying to determine the weight of a small rock. She determined the small rock was $^5/_6$ as heavy as a medium rock. The medium rock was $^6/_8$ as heavy as a large rock. The large rock weighed 248 grams. How heavy was the small rock?

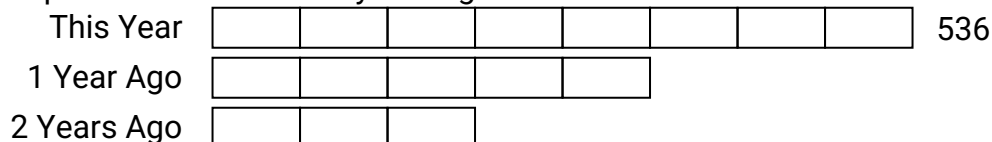| large rock | | | | | | | | | 248 |
| medium rock | | | | | | | | | |
| small rock | | | | | | | | | |

1. **155**

2) A chef was ordering vegetables for his restaurant. He order $270 worth of potatoes. He also spent $^6/_{10}$ 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										270
tomatoes							
green beans		

2. **54**

3) On Super Bowl Sunday a store sold 558 sodas. They sold $^5/_6$ as many bags of chips. They also sold $^4/_5$ as many jars of dip as bags of chips. How many jars of dip did they sell?

Sodas							558
Chips					
Dip				

3. **372**

4) Two years ago the fair had $^3/_5$ as many people as 1 year ago. 1 year ago the fair had $^5/_8$ as many people as this year. This year the fair had 536 people. How many people did the fair have 2 years ago?

This Year									536
1 Year Ago					
2 Years Ago			

4. **201**