Solve each problem using a tape diagram.

Ex) Two years ago the fair had $\frac{2}{3}$ as many people as 1 year ago. 1 year ago the fair had $\frac{3}{5}$ as many people as this year. This year the fair had 240 people. How many people did the fair have 2 years ago?

Ex. _____ **96** _____

1. _____

2. _____

3. _____

1) On Super Bowl Sunday a store sold 84 sodas. They sold $\frac{2}{7}$ 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?

4. _____

2) At the school fundraiser Adam earned $801. Bianca earned $\frac{8}{9}$ as much as Adam. And Cathy earned $\frac{3}{8}$ as much as Bianca. How much did Cathy earn?
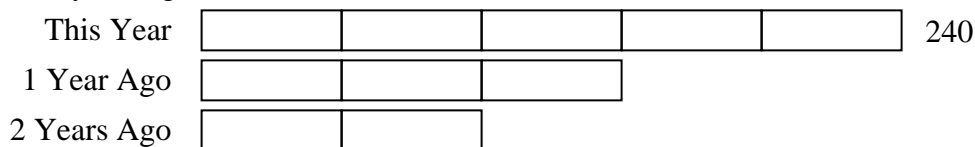
3) Gwen was trying to determine the weight of a small rock. She determined the small rock was $\frac{1}{2}$ as heavy as a medium rock. The medium rock was $\frac{2}{10}$ as heavy as a large rock. The large rock weighed 470 grams. How heavy was the small rock?

4) A chef was ordering vegetables for his restaurant. He order $360 worth of potatoes. He also spent $\frac{3}{6}$ as much on tomatoes. Finally he spent $\frac{2}{3}$ as much on green beans as he did on tomatoes. How much did he spend on green beans?
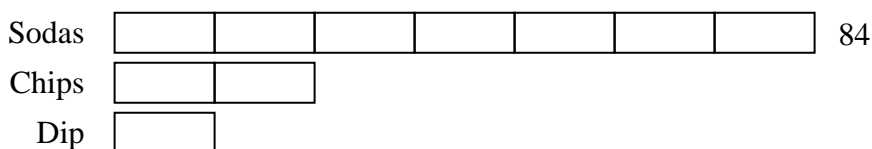
Math
www.CommonCoreSheets.com

1-4 | 75 | 50 | 25 | 0

Name: **Answer Key**

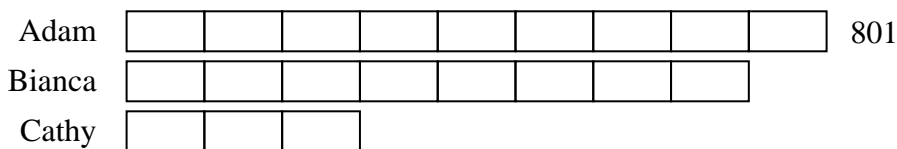**Solve each problem using a tape diagram.**

Answers

Ex) Two years ago the fair had $\frac{2}{3}$ as many people as 1 year ago. 1 year ago the fair had $\frac{3}{5}$ as many people as this year. This year the fair had 240 people. How many people did the fair have 2 years ago?
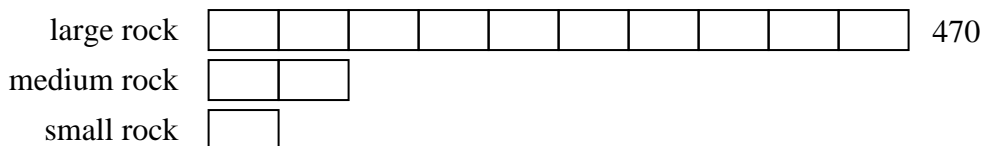
Ex. **96**

This Year ⬚⬚⬚⬚⬚ 240

1 Year Ago ⬚⬚⬚

2 Years Ago ⬚⬚

1. **12**

1) On Super Bowl Sunday a store sold 84 sodas. They sold $\frac{2}{7}$ 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?
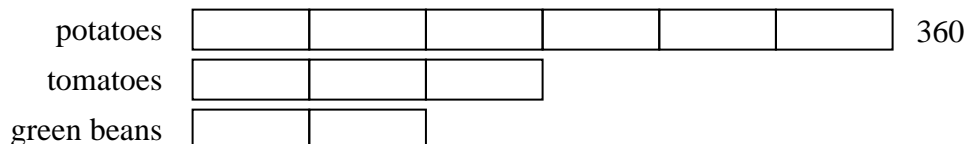
2. **267**

Sodas ⬚⬚⬚⬚⬚⬚⬚ 84

Chips ⬚⬚

Dip ⬚

3. **47**

2) At the school fundraiser Adam earned $801. Bianca earned $\frac{8}{9}$ as much as Adam. And Cathy earned $\frac{3}{8}$ as much as Bianca. How much did Cathy earn?

4. **120**

Adam ⬚⬚⬚⬚⬚⬚⬚⬚⬚ 801

Bianca ⬚⬚⬚⬚⬚⬚⬚⬚

Cathy ⬚⬚⬚

3) Gwen was trying to determine the weight of a small rock. She determined the small rock was $\frac{1}{2}$ as heavy as a medium rock. The medium rock was $\frac{2}{10}$ as heavy as a large rock. The large rock weighed 470 grams. How heavy was the small rock?

large rock ⬚⬚⬚⬚⬚⬚⬚⬚⬚⬚ 470

medium rock ⬚⬚

small rock ⬚

4) A chef was ordering vegetables for his restaurant. He order $360 worth of potatoes. He also spent $\frac{3}{6}$ as much on tomatoes. Finally he spent $\frac{2}{3}$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

potatoes ⬚⬚⬚⬚⬚⬚ 360

tomatoes ⬚⬚⬚

green beans ⬚⬚