



Solve each problem using a tape diagram.

Answers

Ex) Sarah was trying to determine the weight of a small rock. She determined the small rock was  $\frac{3}{9}$  as heavy as a medium rock. The medium rock was  $\frac{9}{10}$  as heavy as a large rock. The large rock weighed 120 grams. How heavy was the small rock?

Ex. 36

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

1) A chef was ordering vegetables for his restaurant. He order \$432 worth of potatoes. He also spent  $\frac{2}{9}$  as much on tomatoes. Finally he spent  $\frac{1}{2}$  as much on green beans as he did on tomatoes. How much did he spend on green beans?

2) Two years ago the fair had  $\frac{1}{2}$  as many people as 1 year ago. 1 year ago the fair had  $\frac{2}{7}$  as many people as this year. This year the fair had 154 people. How many people did the fair have 2 years ago?

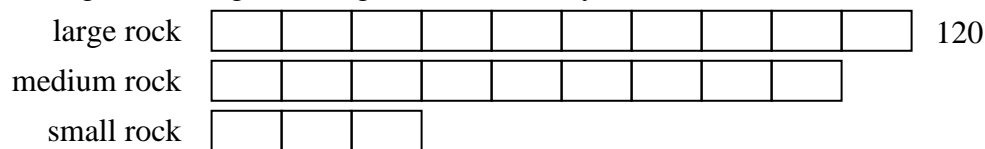
3) At the school fundraiser Adam earned \$215. Bianca earned  $\frac{2}{5}$  as much as Adam. And Cathy earned  $\frac{1}{2}$  as much as Bianca. How much did Cathy earn?

4) Maria was looking at her Nintendo collection. She had 784 wiiU games. She had  $\frac{4}{8}$  as many DS games and  $\frac{1}{4}$  as many 3ds games as DS games. How many 3ds games does she have?

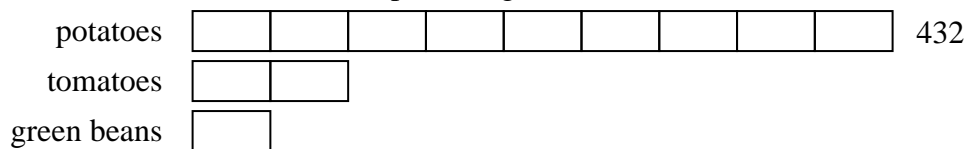


Solve each problem using a tape diagram.

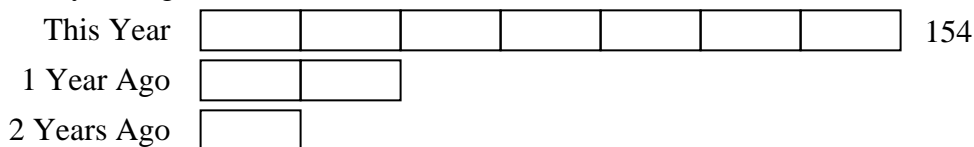
Ex) Sarah was trying to determine the weight of a small rock. She determined the small rock was  $\frac{3}{9}$  as heavy as a medium rock. The medium rock was  $\frac{9}{10}$  as heavy as a large rock. The large rock weighed 120 grams. How heavy was the small rock?



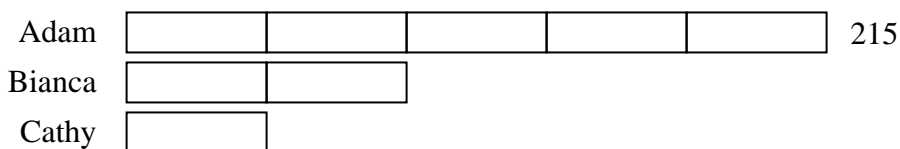
1) A chef was ordering vegetables for his restaurant. He order \$432 worth of potatoes. He also spent  $\frac{2}{9}$  as much on tomatoes. Finally he spent  $\frac{1}{2}$  as much on green beans as he did on tomatoes. How much did he spend on green beans?



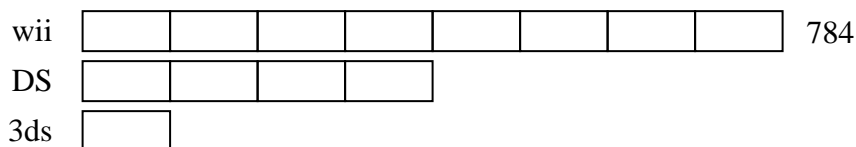
2) Two years ago the fair had  $\frac{1}{2}$  as many people as 1 year ago. 1 year ago the fair had  $\frac{2}{7}$  as many people as this year. This year the fair had 154 people. How many people did the fair have 2 years ago?



3) At the school fundraiser Adam earned \$215. Bianca earned  $\frac{2}{5}$  as much as Adam. And Cathy earned  $\frac{1}{2}$  as much as Bianca. How much did Cathy earn?



4) Maria was looking at her Nintendo collection. She had 784 wiiU games. She had  $\frac{4}{8}$  as many DS games and  $\frac{1}{4}$  as many 3ds games as DS games. How many 3ds games does she have?



Answers

Ex. 36

1. 48

2. 22

3. 43

4. 98