

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

**Ex)** Two years ago the fair had  $\frac{2}{4}$  as many people as 1 year ago. 1 year ago the fair had  $\frac{4}{9}$  as many people as this year. This year the fair had 90 people. How many people did the fair have 2 years ago?

Ex. 20

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

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

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

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

**1)** At the school fundraiser Adam earned \$322. Bianca earned  $\frac{2}{7}$  as much as Adam. And Cathy earned  $\frac{1}{2}$  as much as Bianca. How much did Cathy earn?

**2)** Bianca was looking at her Nintendo collection. She had 192 wiiU games. She had  $\frac{4}{8}$  as many DS games and  $\frac{2}{4}$  as many 3ds games as DS games. How many 3ds games does she have?

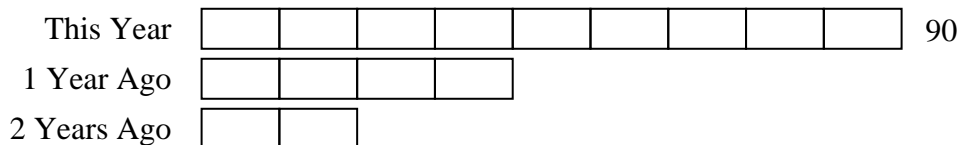
**3)** On Super Bowl Sunday a store sold 990 sodas. They sold  $\frac{9}{10}$  as many bags of chips. They also sold  $\frac{2}{9}$  as many jars of dip as bags of chips. How many jars of dip did they sell?

**4)** Robin 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  $\frac{2}{7}$  as heavy as a large rock. The large rock weighed 273 grams. How heavy was the small rock?

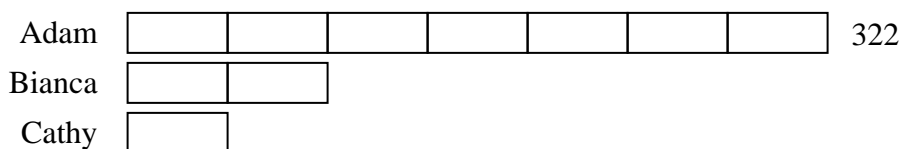


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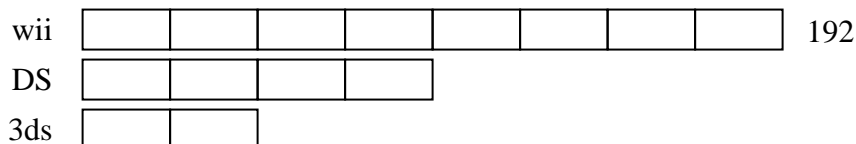
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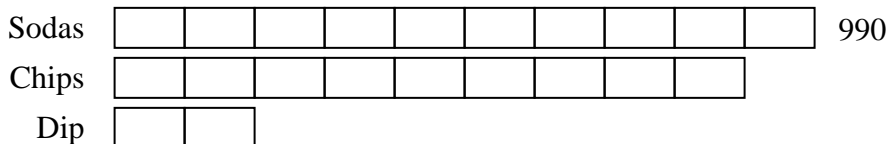
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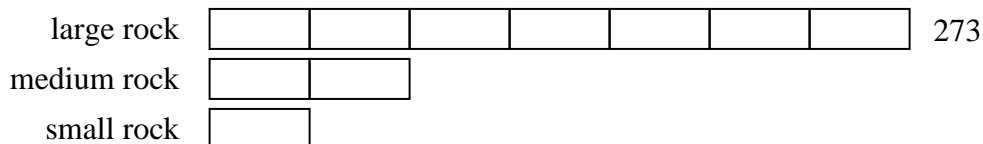
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**Answers**Ex. 201. 462. 483. 1984. 39