Solve each problem using a tape diagram.

Ex)
Janet was looking at her Nintendo collection. She had 168 wiiU games. She had $\frac{7}{8}$ as many DS games and $\frac{5}{7}$ as many 3ds games as DS games. How many 3ds games does she have?

Ex. **105**

1. _____

2. _____

3. _____

1) A chef was ordering vegetables for his restaurant. He order $261 worth of potatoes. He also spent $\frac{8}{9}$ as much on tomatoes. Finally he spent $\frac{4}{8}$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

4. _____

2) Lana was trying to determine the weight of a small rock. She determined the small rock was $\frac{2}{3}$ as heavy as a medium rock. The medium rock was $\frac{3}{5}$ as heavy as a large rock. The large rock weighed 330 grams. How heavy was the small rock?

3) At the school fundraiser Adam earned $432. Bianca earned $\frac{6}{8}$ as much as Adam. And Cathy earned $\frac{4}{6}$ as much as Bianca. How much did Cathy earn?
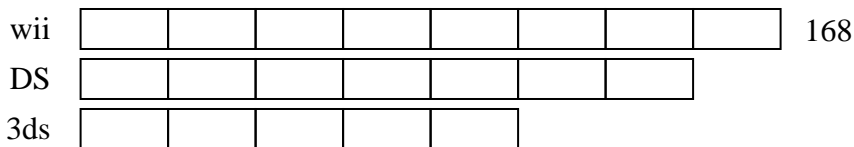
4) Two years ago the fair had $\frac{1}{4}$ as many people as 1 year ago. 1 year ago the fair had $\frac{4}{5}$ as many people as this year. This year the fair had 215 people. How many people did the fair have 2 years ago?
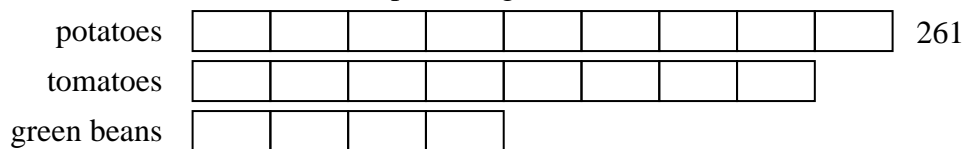
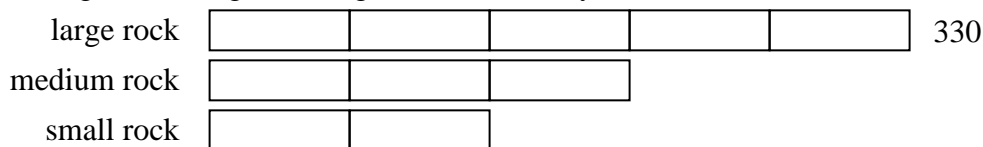**Solve each problem using a tape diagram.**

Ex) Janet was looking at her Nintendo collection. She had 168 wiiU games. She had $\frac{7}{8}$ as many DS games and $\frac{5}{7}$ as many 3ds games as DS games. How many 3ds games does she have?
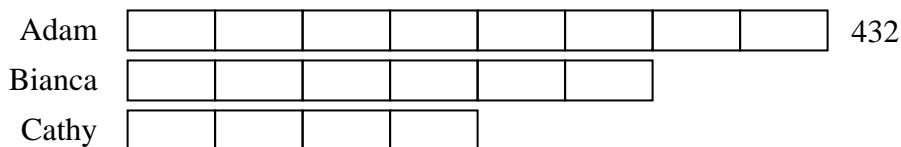
| wii | | | | | | | | | 168 |

| DS | | | | | | | |

| 3ds | | | | | |

1) A chef was ordering vegetables for his restaurant. He order $261 worth of potatoes. He also spent $\frac{8}{9}$ as much on tomatoes. Finally he spent $\frac{4}{8}$ as much on green beans as he did on tomatoes. How much did he spend on green beans?
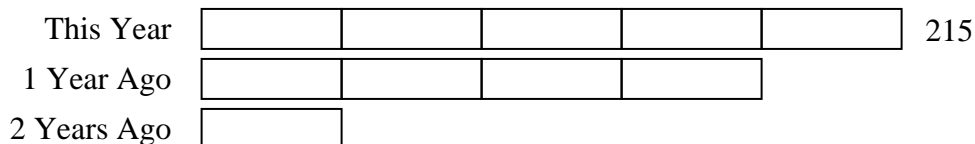
| potatoes | | | | | | | | | 261 |

| tomatoes | | | | | | | |

| green beans | | | |

2) Lana was trying to determine the weight of a small rock. She determined the small rock was $\frac{2}{3}$ as heavy as a medium rock. The medium rock was $\frac{3}{5}$ as heavy as a large rock. The large rock weighed 330 grams. How heavy was the small rock?

| large rock | | | | | | 330 |

| medium rock | | | |

| small rock | | |

3) At the school fundraiser Adam earned $432. Bianca earned $\frac{6}{8}$ as much as Adam. And Cathy earned $\frac{4}{6}$ as much as Bianca. How much did Cathy earn?

| Adam | | | | | | | | | 432 |

| Bianca | | | | | |

| Cathy | | | |

4) Two years ago the fair had $\frac{1}{4}$ as many people as 1 year ago. 1 year ago the fair had $\frac{4}{5}$ as many people as this year. This year the fair had 215 people. How many people did the fair have 2 years ago?

| This Year | | | | | | 215 |

| 1 Year Ago | | | |

| 2 Years Ago | |

Answers

Ex. **105**

1. **116**

2. **132**

3. **216**

4. **43**

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