Solve each problem using a tape diagram.

Ex) At the school fundraiser Adam earned \$684. Bianca earned $\frac{3}{9}$ as much as Adam. And Cathy earned $\frac{1}{3}$ as much as Bianca. How much did Cathy earn?

Ex. __**76**__

1. _____

2. _____

3. _____

1) A chef was ordering vegetables for his restaurant. He order \$372 worth of potatoes. He also spent $\frac{2}{6}$ 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?

4. _____

2) On Super Bowl Sunday a store sold 133 sodas. They sold $\frac{6}{7}$ as many bags of chips. They also sold $\frac{3}{6}$ as many jars of dip as bags of chips. How many jars of dip did they sell?
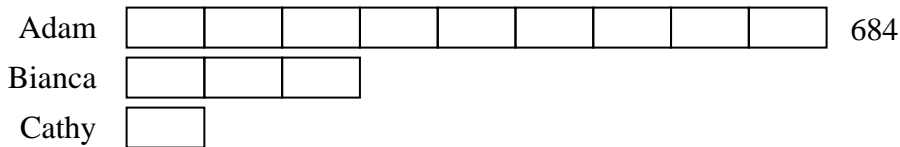
3) Olivia was looking at her Nintendo collection. She had 252 wiiU games. She had $\frac{3}{9}$ as many DS games and $\frac{1}{3}$ as many 3ds games as DS games. How many 3ds games does she have?

4) Carol was trying to determine the weight of a small rock. She determined the small rock was $\frac{2}{6}$ as heavy as a medium rock. The medium rock was $\frac{6}{9}$ as heavy as a large rock. The large rock weighed 729 grams. How heavy was the small rock?
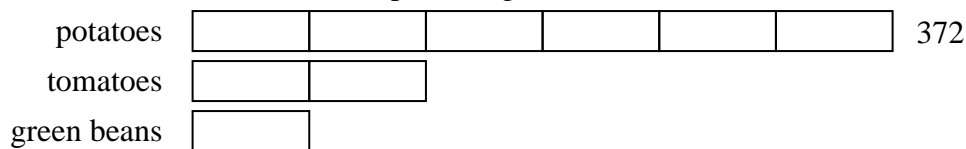
Answer Key

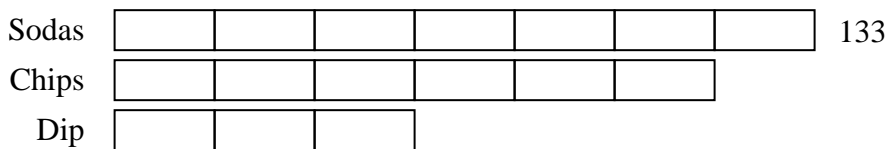**Solve each problem using a tape diagram.**

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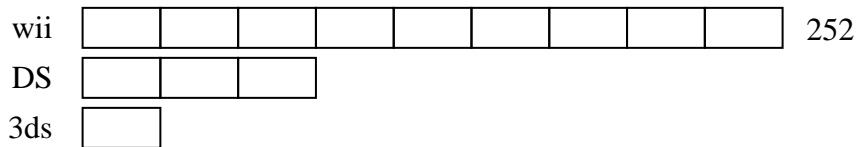
Adam | | | | | | | | | | 684
Bianca | | |
Cathy | |

Ex. **76**

1) A chef was ordering vegetables for his restaurant. He order $372 worth of potatoes. He also spent $\frac{2}{6}$ 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?
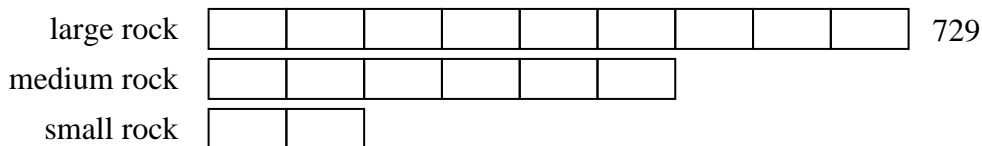
potatoes | | | | | | 372
tomatoes | |
green beans |

1. **62**

2. **57**

2) On Super Bowl Sunday a store sold 133 sodas. They sold $\frac{6}{7}$ as many bags of chips. They also sold $\frac{3}{6}$ as many jars of dip as bags of chips. How many jars of dip did they sell?

Sodas | | | | | | | 133
Chips | | | | | |
Dip | | |

3. **28**

3) Olivia was looking at her Nintendo collection. She had 252 wiiU games. She had $\frac{3}{9}$ as many DS games and $\frac{1}{3}$ as many 3ds games as DS games. How many 3ds games does she have?

wii | | | | | | | | | 252
DS | | |
3ds |

4. **162**

4) Carol was trying to determine the weight of a small rock. She determined the small rock was $\frac{2}{6}$ as heavy as a medium rock. The medium rock was $\frac{6}{9}$ as heavy as a large rock. The large rock weighed 729 grams. How heavy was the small rock?

large rock | | | | | | | | | 729
medium rock | | | | | |
small rock | |

1-4 | 75 | 50 | 25 | 0