Solve each problem using a tape diagram.

1) On Super Bowl Sunday a store sold 576 sodas. They sold $\frac{3}{6}$ as many bags of chips. They also sold $\frac{2}{3}$ as many jars of dip as bags of chips. How many jars of dip did they sell?

1. _____

2. _____

3. _____

4. _____

2) A chef was ordering vegetables for his restaurant. He order $402 worth of potatoes. He also spent $\frac{4}{6}$ as much on tomatoes. Finally he spent $\frac{3}{4}$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

5. _____

3) Gwen was looking at her Nintendo collection. She had 315 wiiU games. She had $\frac{4}{5}$ as many DS games and $\frac{1}{4}$ as many 3ds games as DS games. How many 3ds games does she have?

4) At the school fundraiser Adam earned $456. Bianca earned $\frac{2}{8}$ as much as Adam. And Cathy earned $\frac{1}{2}$ as much as Bianca. How much did Cathy earn?

5) Nancy was trying to determine the weight of a small rock. She determined the small rock was $\frac{2}{4}$ as heavy as a medium rock. The medium rock was $\frac{4}{5}$ as heavy as a large rock. The large rock weighed 345 grams. How heavy was the small rock?
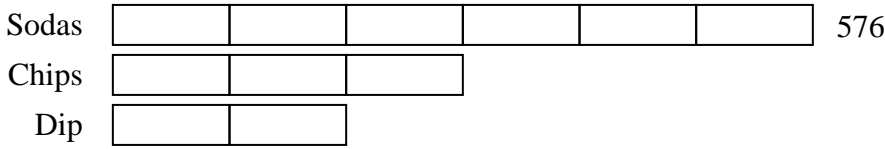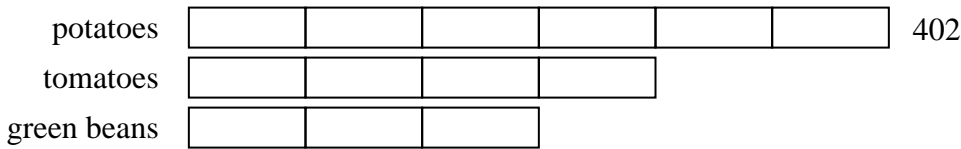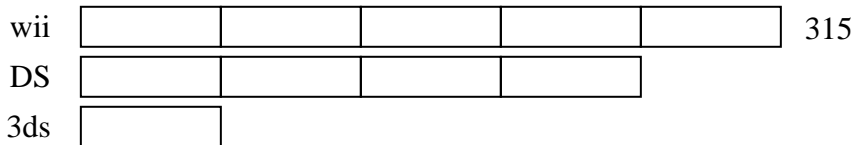
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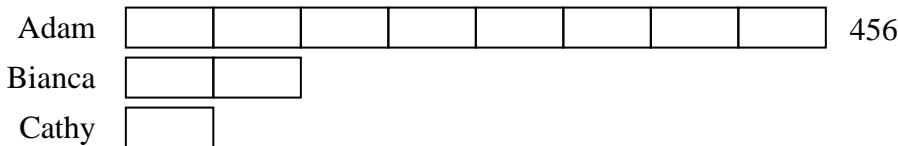
| Sodas | | | | | | | 576 |

| Chips | | |

| Dip | |

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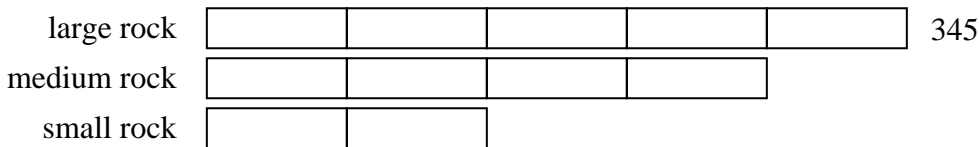
| potatoes | | | | | | | 402 |

| tomatoes | | | | |

| green beans | | | |

3) Gwen was looking at her Nintendo collection. She had 315 wiiU games. She had $\frac{4}{5}$ as many DS games and $\frac{1}{4}$ as many 3ds games as DS games. How many 3ds games does she have?

| wii | | | | | | 315 |

| DS | | | | |

| 3ds | |

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| Adam | | | | | | | | | 456 |

| Bianca | | |

| Cathy | |

5) Nancy was trying to determine the weight of a small rock. She determined the small rock was $\frac{2}{4}$ as heavy as a medium rock. The medium rock was $\frac{4}{5}$ as heavy as a large rock. The large rock weighed 345 grams. How heavy was the small rock?

| large rock | | | | | | 345 |

| medium rock | | | | |

| small rock | | |

Answers

1. **192**

2. **201**

3. **63**

4. **57**

5. **138**

1-5 | 80 | 60 | 40 | 20 | 0