Name:

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

**Ex)** A chef was ordering vegetables for his restaurant. He order $801 worth of potatoes. He also spent $\frac{7}{9}$ as much on tomatoes. Finally he spent $\frac{6}{7}$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

Ex. **534**

1. _____

2. _____

3. _____

**1)** On Super Bowl Sunday a store sold 294 sodas. They sold $\frac{2}{7}$ as many bags of chips. They also sold $\frac{1}{2}$ as many jars of dip as bags of chips. How many jars of dip did they sell?

4. _____

**2)** Lana was looking at her Nintendo collection. She had 581 wiiU games. She had $\frac{2}{7}$ as many DS games and $\frac{1}{2}$ as many 3ds games as DS games. How many 3ds games does she have?
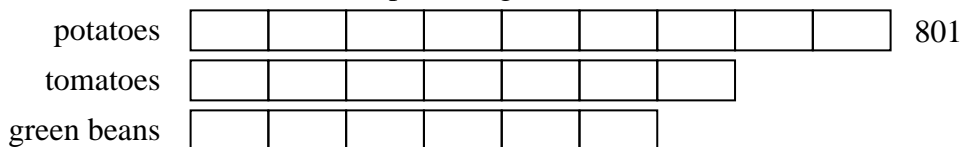
**3)** At the school fundraiser Adam earned $552. Bianca earned $\frac{2}{6}$ as much as Adam. And Cathy earned $\frac{1}{2}$ as much as Bianca. How much did Cathy earn?

**4)** Carol was trying to determine the weight of a small rock. She determined the small rock was $\frac{3}{4}$ as heavy as a medium rock. The medium rock was $\frac{4}{8}$ as heavy as a large rock. The large rock weighed 144 grams. How heavy was the small rock?
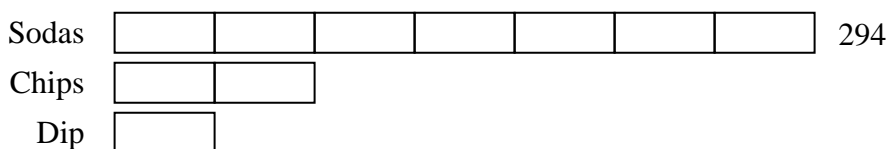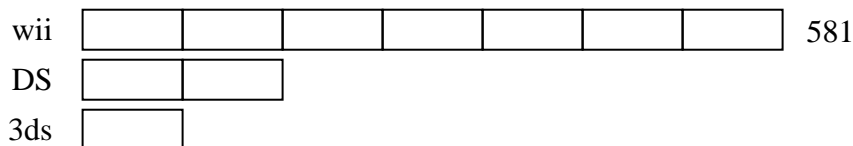
**Solve each problem using a tape diagram.**

**Answers**

**Ex)** A chef was ordering vegetables for his restaurant. He order $801 worth of potatoes. He also spent $7/9$ as much on tomatoes. Finally he spent $6/7$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

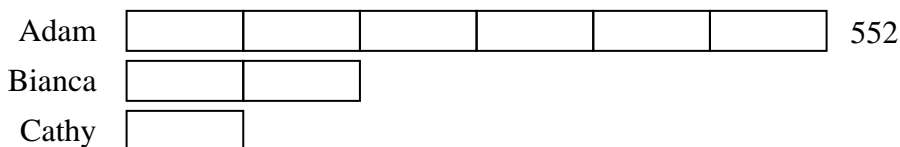| potatoes | 801 |
| tomatoes | |
| green beans | |

**1)** On Super Bowl Sunday a store sold 294 sodas. They sold $2/7$ as many bags of chips. They also sold $1/2$ as many jars of dip as bags of chips. How many jars of dip did they sell?

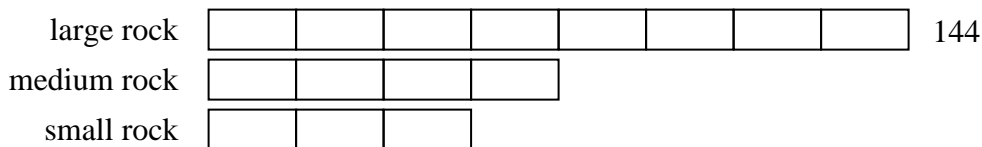| Sodas | 294 |
| Chips | |
| Dip | |

**2)** Lana was looking at her Nintendo collection. She had 581 wiiU games. She had $2/7$ as many DS games and $1/2$ as many 3ds games as DS games. How many 3ds games does she have?

| wii | 581 |
| DS | |
| 3ds | |

**3)** At the school fundraiser Adam earned $552. Bianca earned $2/6$ as much as Adam. And Cathy earned $1/2$ as much as Bianca. How much did Cathy earn?

| Adam | 552 |
| Bianca | |
| Cathy | |

**4)** Carol was trying to determine the weight of a small rock. She determined the small rock was $3/4$ as heavy as a medium rock. The medium rock was $4/8$ as heavy as a large rock. The large rock weighed 144 grams. How heavy was the small rock?

| large rock | 144 |
| medium rock | |
| small rock | |

| | Answers |
|---|---|
| Ex. | **534** |
| 1. | **42** |
| 2. | **83** |
| 3. | **92** |
| 4. | **54** |

| 1-4 | 75 | 50 | 25 | 0 |