Fraction Comparisons With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

Ex) On Super Bowl Sunday a store sold 612 sodas. They sold $\frac{7}{9}$ as many bags of chips. They also sold $\frac{6}{7}$ as many jars of dip as bags of chips. How many jars of dip did they sell?

Ex. _____ **408** _____

1) Isabel was looking at her Nintendo collection. She had 360 wiiU games. She had $\frac{3}{5}$ as many DS games and $\frac{1}{3}$ as many 3ds games as DS games. How many 3ds games does she have?

1. _____

2. _____

3. _____

4. _____

2) Janet was trying to determine the weight of a small rock. She determined the small rock was $\frac{2}{8}$ as heavy as a medium rock. The medium rock was $\frac{8}{9}$ as heavy as a large rock. The large rock weighed 144 grams. How heavy was the small rock?
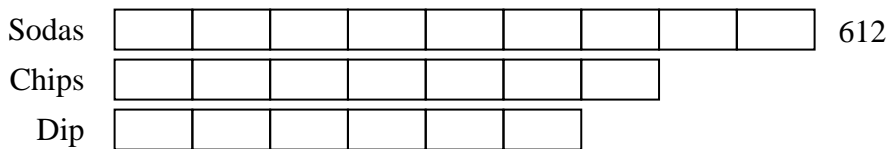
3) At the school fundraiser Adam earned $210. Bianca earned $\frac{2}{5}$ as much as Adam. And Cathy earned $\frac{1}{2}$ as much as Bianca. How much did Cathy earn?

4) Two years ago the fair had $\frac{1}{4}$ as many people as 1 year ago. 1 year ago the fair had $\frac{4}{7}$ as many people as this year. This year the fair had 266 people. How many people did the fair have 2 years ago?
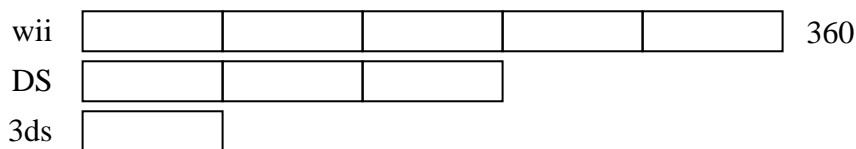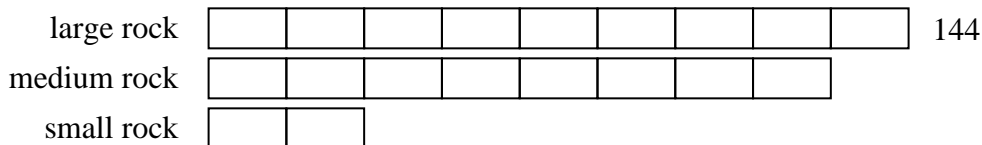
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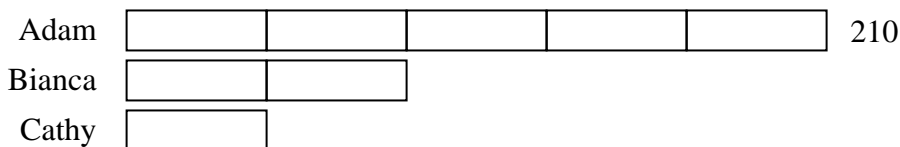
| Sodas | | | | | | | | | | 612 |

| Chips | | | | | | | |

| Dip | | | | | | |

Ex. **408**

1) Isabel was looking at her Nintendo collection. She had 360 wiiU games. She had $\frac{3}{5}$ as many DS games and $\frac{1}{3}$ as many 3ds games as DS games. How many 3ds games does she have?
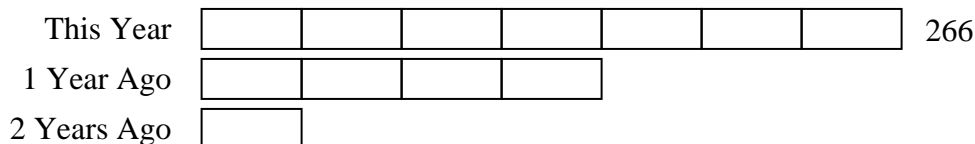
| wii | | | | | | 360 |

| DS | | | |

| 3ds | |

1. **72**

2) Janet was trying to determine the weight of a small rock. She determined the small rock was $\frac{2}{8}$ as heavy as a medium rock. The medium rock was $\frac{8}{9}$ 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 | | |

2. **32**

3) At the school fundraiser Adam earned $210. Bianca earned $\frac{2}{5}$ as much as Adam. And Cathy earned $\frac{1}{2}$ as much as Bianca. How much did Cathy earn?

| Adam | | | | | | 210 |

| Bianca | | |

| Cathy | |

3. **42**

4) Two years ago the fair had $\frac{1}{4}$ as many people as 1 year ago. 1 year ago the fair had $\frac{4}{7}$ as many people as this year. This year the fair had 266 people. How many people did the fair have 2 years ago?

| This Year | | | | | | | | 266 |

| 1 Year Ago | | | | |

| 2 Years Ago | |

4. **38**

Math

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