Fraction Comparisons With Tape Diagram

Name:

Solve each problem using a tape diagram.

Ex) Paige was looking at her Nintendo collection. She had 255 wiiU games. She had $\frac{4}{5}$ as many DS games and $\frac{3}{4}$ as many 3ds games as DS games. How many 3ds games does she have?

Ex. _____**153**_____

1) On Super Bowl Sunday a store sold 290 sodas. They sold $\frac{8}{10}$ as many bags of chips. They also sold $\frac{2}{8}$ as many jars of dip as bags of chips. How many jars of dip did they sell?

1. _____

2. _____

3. _____

4. _____

2) Two years ago the fair had $\frac{2}{5}$ as many people as 1 year ago. 1 year ago the fair had $\frac{5}{8}$ as many people as this year. This year the fair had 648 people. How many people did the fair have 2 years ago?
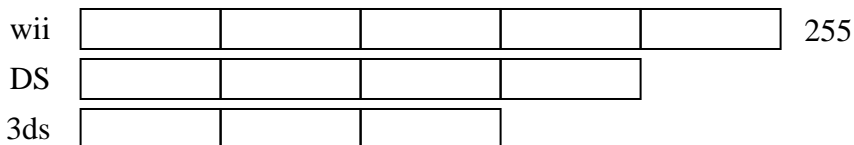
3) At the school fundraiser Adam earned $860. Bianca earned $\frac{8}{10}$ as much as Adam. And Cathy earned $\frac{3}{8}$ as much as Bianca. How much did Cathy earn?

4) 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 $\frac{3}{6}$ as heavy as a large rock. The large rock weighed 204 grams. How heavy was the small rock?
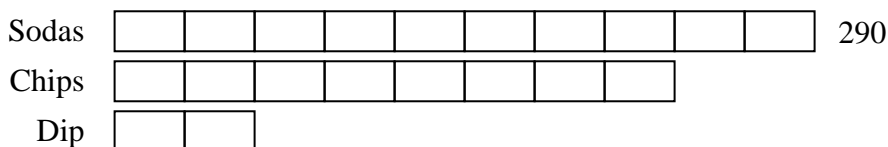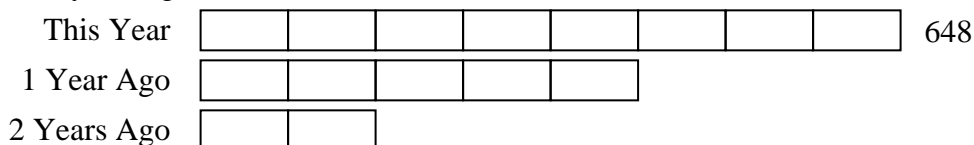
Solve each problem using a tape diagram.

Ex) Paige was looking at her Nintendo collection. She had 255 wiiU games. She had $\frac{4}{5}$ as many DS games and $\frac{3}{4}$ as many 3ds games as DS games. How many 3ds games does she have?
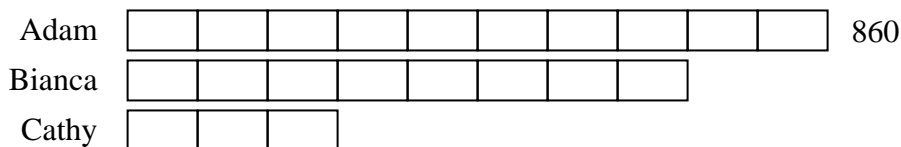
wii | | | | | | 255

DS | | | | |

3ds | | | |

Ex. _____ **153**

1) On Super Bowl Sunday a store sold 290 sodas. They sold $\frac{8}{10}$ as many bags of chips. They also sold $\frac{2}{8}$ as many jars of dip as bags of chips. How many jars of dip did they sell?
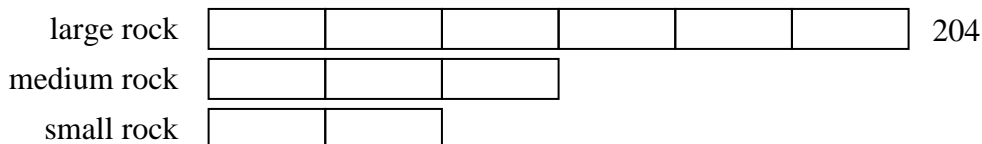
Sodas | | | | | | | | | | | 290

Chips | | | | | | | | |

Dip | | |

1. _____ **58**

2) Two years ago the fair had $\frac{2}{5}$ as many people as 1 year ago. 1 year ago the fair had $\frac{5}{8}$ as many people as this year. This year the fair had 648 people. How many people did the fair have 2 years ago?

This Year | | | | | | | | | 648

1 Year Ago | | | | | |

2 Years Ago | | |

2. _____ **162**

3) At the school fundraiser Adam earned $860. Bianca earned $\frac{8}{10}$ as much as Adam. And Cathy earned $\frac{3}{8}$ as much as Bianca. How much did Cathy earn?

Adam | | | | | | | | | | | 860

Bianca | | | | | | | | |

Cathy | | |

3. _____ **258**

4) 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 $\frac{3}{6}$ as heavy as a large rock. The large rock weighed 204 grams. How heavy was the small rock?

large rock | | | | | | | 204

medium rock | | | |

small rock | | |

4. _____ **68**