Fraction Comparisons With Tape Diagram

Name:

Solve each problem using a tape diagram.

Ex) Olivia 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 $\frac{3}{5}$ as heavy as a large rock. The large rock weighed 280 grams. How heavy was the small rock?

Ex. ___**112**___

1. _____

2. _____

3. _____

1) On Super Bowl Sunday a store sold 860 sodas. They sold $\frac{2}{10}$ 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) Two years ago the fair had $\frac{2}{3}$ as many people as 1 year ago. 1 year ago the fair had $\frac{3}{9}$ as many people as this year. This year the fair had 522 people. How many people did the fair have 2 years ago?
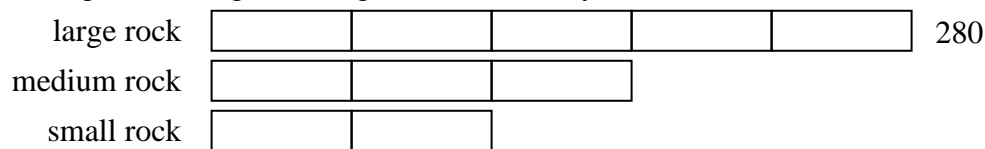
3) Amy was looking at her Nintendo collection. She had 99 wiiU games. She had $\frac{8}{9}$ as many DS games and $\frac{5}{8}$ as many 3ds games as DS games. How many 3ds games does she have?

4) A chef was ordering vegetables for his restaurant. He order $290 worth of potatoes. He also spent $\frac{7}{10}$ 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?

Math

1-4 | 75 | 50 | 25 | 0

Solve each problem using a tape diagram.

Ex) Olivia 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 $\frac{3}{5}$ as heavy as a large rock. The large rock weighed 280 grams. How heavy was the small rock?
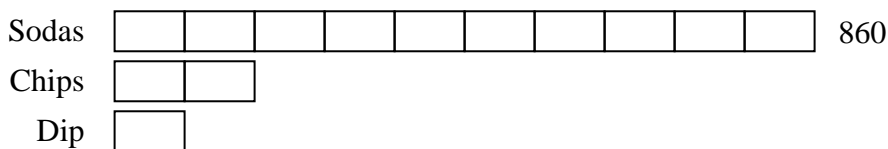
large rock | | | | | | 280
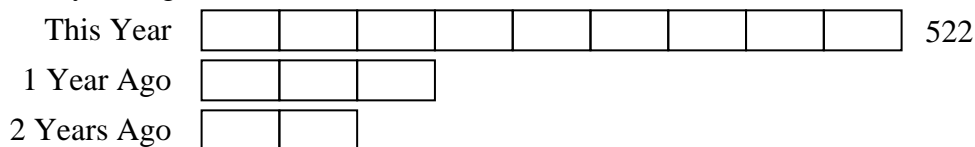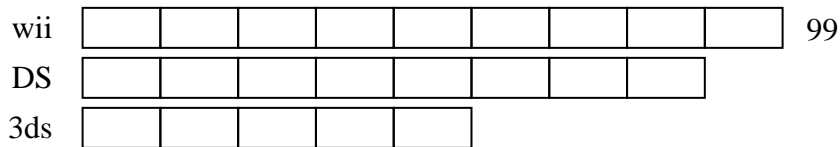
medium rock | | |

small rock | |

Ex. ___**112**___

1) On Super Bowl Sunday a store sold 860 sodas. They sold $\frac{2}{10}$ 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?

Sodas | | | | | | | | | | 860

Chips | |

Dip |

1. ___**86**___

2) Two years ago the fair had $\frac{2}{3}$ as many people as 1 year ago. 1 year ago the fair had $\frac{3}{9}$ as many people as this year. This year the fair had 522 people. How many people did the fair have 2 years ago?

This Year | | | | | | | | | 522

1 Year Ago | | |

2 Years Ago | |

2. ___**116**___

3) Amy was looking at her Nintendo collection. She had 99 wiiU games. She had $\frac{8}{9}$ as many DS games and $\frac{5}{8}$ as many 3ds games as DS games. How many 3ds games does she have?

wii | | | | | | | | | 99

DS | | | | | | | |

3ds | | | | |

3. ___**55**___

4) A chef was ordering vegetables for his restaurant. He order $290 worth of potatoes. He also spent $\frac{7}{10}$ 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?

potatoes | | | | | | | | | 290

tomatoes | | | | | | |

green beans | | | | | |

4. ___**174**___