Solve each problem using a tape diagram.

Ex) A chef was ordering vegetables for his restaurant. He order $275 worth of potatoes. He also spent $\frac{4}{5}$ as much on tomatoes. Finally he spent $\frac{1}{4}$ as much on green beans as he did on tomatoes. How much did he spend on green beans?

Ex. _____ **55** _____

1. _____

2. _____

3. _____

1) Two years ago the fair had $\frac{2}{4}$ as many people as 1 year ago. 1 year ago the fair had $\frac{4}{9}$ as many people as this year. This year the fair had 792 people. How many people did the fair have 2 years ago?

4. _____

2) At the school fundraiser Adam earned $304. Bianca earned $\frac{6}{8}$ as much as Adam. And Cathy earned $\frac{2}{6}$ as much as Bianca. How much did Cathy earn?
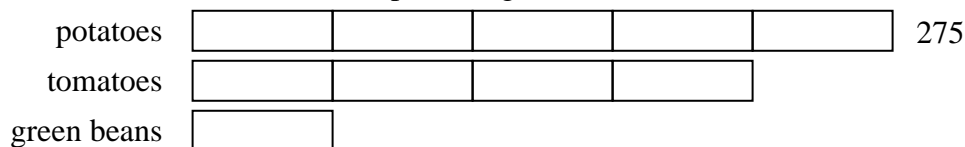
3) Vanessa was trying to determine the weight of a small rock. She determined the small rock was $\frac{1}{5}$ as heavy as a medium rock. The medium rock was $\frac{5}{8}$ as heavy as a large rock. The large rock weighed 528 grams. How heavy was the small rock?

4) Isabel was looking at her Nintendo collection. She had 720 wiiU games. She had $\frac{8}{10}$ as many DS games and $\frac{5}{8}$ as many 3ds games as DS games. How many 3ds games does she have?
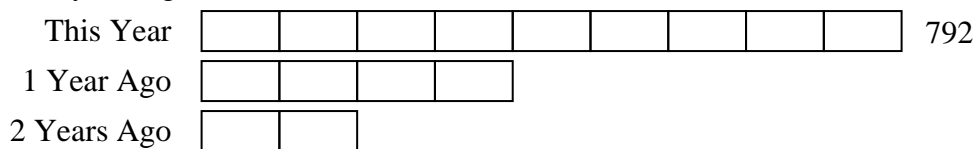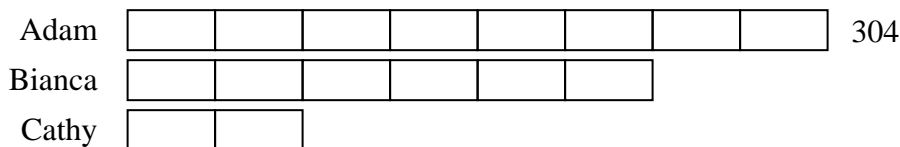
Math

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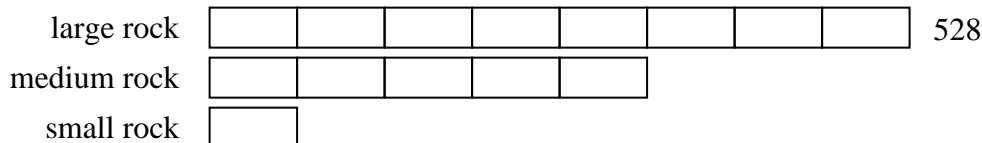
| potatoes | | | | | | 275 |

| tomatoes | | | | |

| green beans | |

Ex.   **55**

1) Two years ago the fair had $\frac{2}{4}$ as many people as 1 year ago. 1 year ago the fair had $\frac{4}{9}$ as many people as this year. This year the fair had 792 people. How many people did the fair have 2 years ago?
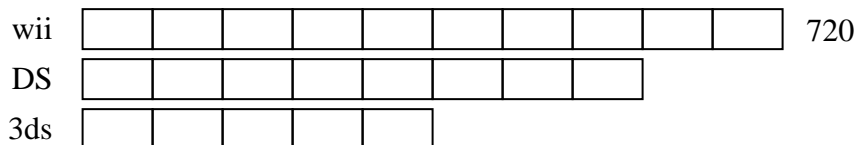
| This Year | | | | | | | | | 792 |

| 1 Year Ago | | | |

| 2 Years Ago | |

1.   **176**

2) At the school fundraiser Adam earned $304. Bianca earned $\frac{6}{8}$ as much as Adam. And Cathy earned $\frac{2}{6}$ as much as Bianca. How much did Cathy earn?

| Adam | | | | | | | | | 304 |

| Bianca | | | | | |

| Cathy | |

2.   **76**

3) Vanessa was trying to determine the weight of a small rock. She determined the small rock was $\frac{1}{5}$ as heavy as a medium rock. The medium rock was $\frac{5}{8}$ as heavy as a large rock. The large rock weighed 528 grams. How heavy was the small rock?

| large rock | | | | | | | | | 528 |

| medium rock | | | | |

| small rock |

3.   **66**

4) Isabel was looking at her Nintendo collection. She had 720 wiiU games. She had $\frac{8}{10}$ as many DS games and $\frac{5}{8}$ as many 3ds games as DS games. How many 3ds games does she have?

| wii | | | | | | | | | | 720 |

| DS | | | | | | | |

| 3ds | | | | |

4.   **360**