Multiplication With Tape Diagram

Solve each problem using a tape diagram.

1) An ice cream shop sold 29 waffle cones. They sold 4 times as many sugar cones as waffle cones and 2 times as many wafer cones as sugar cones. How many cones did they sell total?

1. _____

2. _____

3. _____

4. _____

2) On week 1 a football player jogged for 37 minutes. On week 2 he jogged for 2 times as long. On week 3 he jogged for 2 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?

5. _____

3) In one day a restaurant used 20 knives. They also used 3 as many forks as they used knives. And 3 times as many spoons as forks. How many utensils do they use in a day?

4) A school principal was looking over grades. In math 39 students scored a C. 5 times as many students scored a B. And 4 times as many students scored an A as scored a B. How many students scored an A, B or C?

5) A store sold 34 C batteries in a day. They sold 8 as many AAA batteries as C batteries and 6 times as many AA as AAA batteries. How many batteries did they sell total?
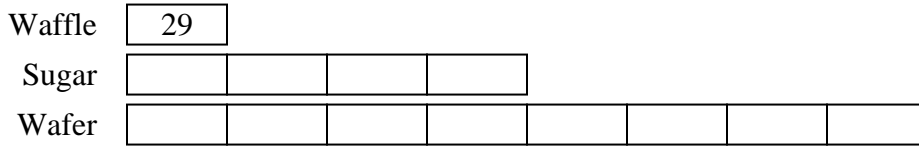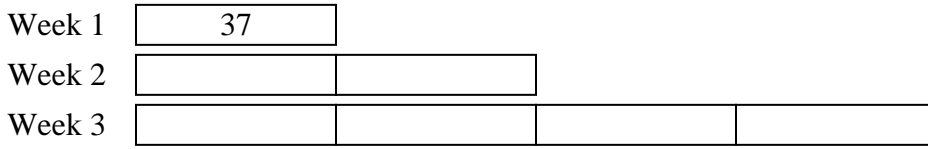

Math

1-5 | 80 | 60 | 40 | 20 | 0

Name:
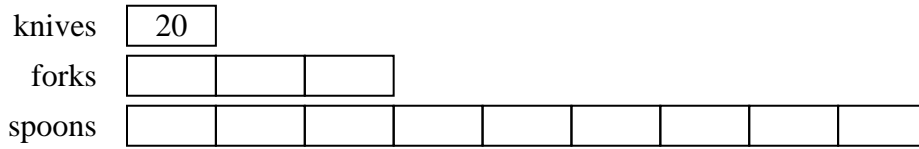
Solve each problem using a tape diagram.

Answers

1) An ice cream shop sold 29 waffle cones. They sold 4 times as many sugar cones as waffle cones and 2 times as many wafer cones as sugar cones. How many cones did they sell total?
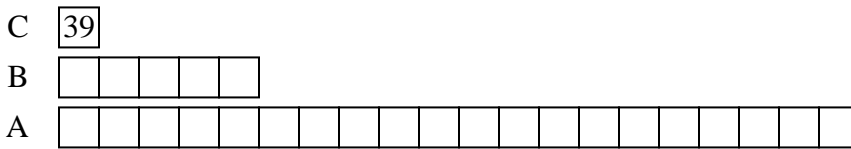
Waffle | 29 |

Sugar | | | | |

Wafer | | | | | | | | |

1. _____**377**_____

2) On week 1 a football player jogged for 37 minutes. On week 2 he jogged for 2 times as long. On week 3 he jogged for 2 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?
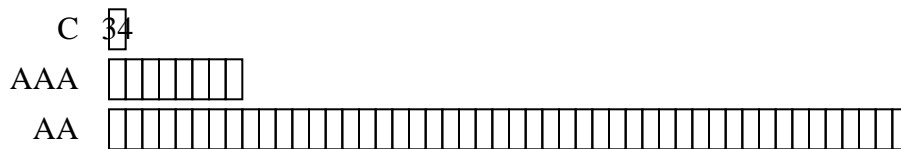
Week 1 | 37 |

Week 2 | | |

Week 3 | | | | |

2. _____**259**_____

3. _____**260**_____

3) In one day a restaurant used 20 knives. They also used 3 as many forks as they used knives. And 3 times as many spoons as forks. How many utensils do they use in a day?

knives | 20 |

forks | | | |

spoons | | | | | | | | | |

4. _____**1014**_____

4) A school principal was looking over grades. In math 39 students scored a C. 5 times as many students scored a B. And 4 times as many students scored an A as scored a B. How many students scored an A, B or C?

C | 39 |

B | | | | |

A | | | | | | | | | | | | | | | | | | | | |

5. _____**1938**_____

5) A store sold 34 C batteries in a day. They sold 8 as many AAA batteries as C batteries and 6 times as many AA as AAA batteries. How many batteries did they sell total?

C | 34 |

AAA | | | | | | | | |

AA | (multiple segments) |