Multiplication With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

1) In one day a restaurant used 21 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?

1. _____

2. _____

3. _____

4. _____

2) A school principal was looking over grades. In math 35 students scored a C. 4 times as many students scored a B. And 3 times as many students scored an A as scored a B. How many students scored an A, B or C?

5. _____

3) A store sold 38 C batteries in a day. They sold 3 as many AAA batteries as C batteries and 8 times as many AA as AAA batteries. How many batteries did they sell total?

4) On week 1 a football player jogged for 44 minutes. On week 2 he jogged for 3 times as long. On week 3 he jogged for 3 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?

5) On week 1 a football player jogged for 11 minutes. On week 2 he jogged for 4 times as long. On week 3 he jogged for 4 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?

Math

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

Solve each problem using a tape diagram.

Answers

1) In one day a restaurant used 21 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 | 21 |

forks | | | |

spoons | | | | | | | | | |

1. ___**273**___

2. ___**595**___

3. ___**1064**___

2) A school principal was looking over grades. In math 35 students scored a C. 4 times as many students scored a B. And 3 times as many students scored an A as scored a B. How many students scored an A, B or C?

C | 35 |

B | | | | |

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

4. ___**572**___

5. ___**231**___

3) A store sold 38 C batteries in a day. They sold 3 as many AAA batteries as C batteries and 8 times as many AA as AAA batteries. How many batteries did they sell total?

C | 38 |

AAA | | | |

AA | | | | | | | | | | | | | | | | | | | | | | | | |

4) On week 1 a football player jogged for 44 minutes. On week 2 he jogged for 3 times as long. On week 3 he jogged for 3 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?

Week 1 | 44 |

Week 2 | | | |

Week 3 | | | | | | | | | |

5) On week 1 a football player jogged for 11 minutes. On week 2 he jogged for 4 times as long. On week 3 he jogged for 4 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?

Week 1 | 11 |

Week 2 | | | | |

Week 3 | | | | | | | | | | | | | | | | |

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