Multiples and Differences With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

1) Amy, Billy and Carl were working on a school project. Amy spent 28 minutes on her portion. Billy spent 8 times as long on his portion. And Carl spent 3 minutes fewer than Billy did. How many minutes total were they working?

1. _____

2. _____

3. _____

4. _____

2) In April, Larry's Lawn Care mowed 14 lawns. They mowed 3 times as many in May and 9 fewer in June. How many lawns did they mow over those three months?

5. _____

3) In one day Mike's Pizza Palace sold 28 sausage pizzas. They sold 6 fewer cheese pizzas and 2 times as many pepperoni pizzas. How many pizzas did they sell total?

4) While playing a video game Aaron, Bianca and Cathy counted the enemies they defeated. Aaron defeated 25. Bianca defeated 10 more than Aaron. And Cathy defeated 2 times as many as Aaron. How many enemies did they defeat total?

5) Alice, Bobby and Charles were collecting cans. Charles collected 5 times as many cans as Alice. Alice collected 26 cans. And Bobby collected 9 more cans than Alice. How many cans did they collect total?

Solve each problem using a tape diagram.

Answers

1) Amy, Billy and Carl were working on a school project. Amy spent 28 minutes on her portion. Billy spent 8 times as long on his portion. And Carl spent 3 minutes fewer than Billy did. How many minutes total were they working?

Amy | 28 |

Billy | | | | | | | | |

Carl | | | | | | | | |⌐

1. **473**

2. **61**

3. **106**

4. **110**

5. **191**

2) In April, Larry's Lawn Care mowed 14 lawns. They mowed 3 times as many in May and 9 fewer in June. How many lawns did they mow over those three months?

April | 14 |

June | | 9 |

May | | | |

3) In one day Mike's Pizza Palace sold 28 sausage pizzas. They sold 6 fewer cheese pizzas and 2 times as many pepperoni pizzas. How many pizzas did they sell total?

sausage | 28 |

cheese | | 6 |

pepperoni | | |

4) While playing a video game Aaron, Bianca and Cathy counted the enemies they defeated. Aaron defeated 25. Bianca defeated 10 more than Aaron. And Cathy defeated 2 times as many as Aaron. How many enemies did they defeat total?

Aaron | 25 |

Bianca | | 10 |

Cathy | | |

5) Alice, Bobby and Charles were collecting cans. Charles collected 5 times as many cans as Alice. Alice collected 26 cans. And Bobby collected 9 more cans than Alice. How many cans did they collect total?

Alice | 26 |

Bobby | | 9 |

Charles | | | | | |