Multiples and Differences With Tape Diagram

Name:

Solve each problem using a tape diagram.

1) Emily uploaded a video to youtube that was 27 minutes long. The next week she uploaded a video that was 9 minutes longer. Then the following week she uploaded a video that was 5 times as long as the first week. How many minutes did she upload total?

1. _____

2. _____

3. _____

4. _____

2) Gwen's TV emporium was running a contest to see which employee could sell the most TVs. Frank sold 10 times as many TVs as Danny. Edward sold 4 fewer than Frank. And Danny sold 28 TVs. How many TVs did they sell total?

5. _____

3) In one day Billy's Pizza Palace sold 27 sausage pizzas. They sold 8 fewer cheese pizzas and 4 times as many pepperoni pizzas. How many pizzas did they sell total?

4) The school book fair sold 29 books on Wednesday. On Friday they sold 5 fewer than Thursday. On Thursday they sold 5 times as many as on Wednesday. How many books did they sell in those three days?

5) Lana was organizing her pictures on her computer. In folder 1 she had 14 pictures. In folder 2 she had 10 more pictures than folder 1. And in folder 3 she had 2 times as many pictures as folder 1. How many pictures does she have total?

Solve each problem using a tape diagram.

1) Emily uploaded a video to youtube that was 27 minutes long. The next week she uploaded a video that was 9 minutes longer. Then the following week she uploaded a video that was 5 times as long as the first week. How many minutes did she upload total?

Week 1 | 27 |

Week 2 | | 9 |

Week 3 | | | | | |

2) Gwen's TV emporium was running a contest to see which employee could sell the most TVs. Frank sold 10 times as many TVs as Danny. Edward sold 4 fewer than Frank. And Danny sold 28 TVs. How many TVs did they sell total?

Danny | 28 |

Frank | | | | | | | | | | |

Edward | | | | | | | | | | |

3) In one day Billy's Pizza Palace sold 27 sausage pizzas. They sold 8 fewer cheese pizzas and 4 times as many pepperoni pizzas. How many pizzas did they sell total?

sausage | 27 |

cheese | | 8 |

pepperoni | | | | |

4) The school book fair sold 29 books on Wednesday. On Friday they sold 5 fewer than Thursday. On Thursday they sold 5 times as many as on Wednesday. How many books did they sell in those three days?

Wednesday | 29 |

Thursday | | | | | |

Friday | | | | | |

5) Lana was organizing her pictures on her computer. In folder 1 she had 14 pictures. In folder 2 she had 10 more pictures than folder 1. And in folder 3 she had 2 times as many pictures as folder 1. How many pictures does she have total?

Folder 1 | 14 |

Folder 2 | | 10 |

Folder 3 | | |

Answers:
1. **198**
2. **584**
3. **154**
4. **314**
5. **66**