Multiples and Differences With Tape Diagram

Name:

Solve each problem using a tape diagram.

1) Alice, Bobby and Charles were collecting cans. Charles collected 4 times as many cans as Alice. Alice collected 15 cans. And Bobby collected 9 more cans than Alice. How many cans did they collect total?
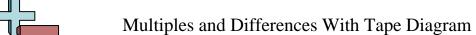
1. _____

2. _____

3. _____

4. _____

2) Adam was reading a book. He read 14 pages on Monday and 6 times as many pages on Tuesday. On Wednesday he read 4 fewer pages than the amount he read on Tuesday. How many pages did he read total?

5. _____

3) Debby uploaded a video to youtube that was 21 minutes long. The next week she uploaded a video that was 6 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?

4) On Friday a game store sold 22 copies of the new Mario game. On Saturday they sold 3 times as many as on Friday. And then on Sunday they sold 6 less than the amount on Friday. How many did they sell total?

5) Amy, Billy and Carl were working on a school project. Amy spent 20 minutes on her portion. Billy spent 9 times as long on his portion. And Carl spent 4 minutes fewer than Billy did. How many minutes total were they working?

Solve each problem using a tape diagram.

1) Alice, Bobby and Charles were collecting cans. Charles collected 4 times as many cans as Alice. Alice collected 15 cans. And Bobby collected 9 more cans than Alice. How many cans did they collect total?

Alice	15
Bobby		9
Charles				

1. _____ **99**

2. _____ **178**

3. _____ **153**

4. _____ **104**

5. _____ **376**

2) Adam was reading a book. He read 14 pages on Monday and 6 times as many pages on Tuesday. On Wednesday he read 4 fewer pages than the amount he read on Tuesday. How many pages did he read total?

Monday	14
Tuesday						
Wednesday							

3) Debby uploaded a video to youtube that was 21 minutes long. The next week she uploaded a video that was 6 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	21
Week 2		6
Week 3					

4) On Friday a game store sold 22 copies of the new Mario game. On Saturday they sold 3 times as many as on Friday. And then on Sunday they sold 6 less than the amount on Friday. How many did they sell total?

Friday	22
Sunday		6
Saturday			

5) Amy, Billy and Carl were working on a school project. Amy spent 20 minutes on her portion. Billy spent 9 times as long on his portion. And Carl spent 4 minutes fewer than Billy did. How many minutes total were they working?

Amy	20
Billy									
Carl										