Multiples and Differences With Tape Diagram   Name:

Solve each problem using a tape diagram.

1) Oliver was reading a book. He read 14 pages on Monday and 4 times as many pages on Tuesday. On Wednesday he read 10 fewer pages than the amount he read on Tuesday. How many pages did he read total?

1. _____

2. _____

3. _____

4. _____

2) While playing a video game Aaron, Bianca and Cathy counted the enemies they defeated. Aaron defeated 30. Bianca defeated 6 more than Aaron. And Cathy defeated 3 times as many as Aaron. How many enemies did they defeat total?

5. _____

3) The school book fair sold 24 books on Wednesday. On Friday they sold 10 fewer than Thursday. On Thursday they sold 5 times as many as on Wednesday. How many books did they sell in those three days?

4) In a school district the elementary school earned $18 fundraising. The high school earned 5 times as much as the elementary school and the middle school earned $5 less than the elementary. How much did they earn total?

5) In one day a restaurant used 18 knives. They used 10 more forks than they used knives. They also used 3 as many spoons as knives. How many utensils do they use in a day?

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

Solve each problem using a tape diagram.

1) Oliver was reading a book. He read 14 pages on Monday and 4 times as many pages on Tuesday. On Wednesday he read 10 fewer pages than the amount he read on Tuesday. How many pages did he read total?

Monday	14
Tuesday	
Wednesday	

2) While playing a video game Aaron, Bianca and Cathy counted the enemies they defeated. Aaron defeated 30. Bianca defeated 6 more than Aaron. And Cathy defeated 3 times as many as Aaron. How many enemies did they defeat total?

Aaron	30
Bianca	6
Cathy	

3) The school book fair sold 24 books on Wednesday. On Friday they sold 10 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	24
Thursday	
Friday	

4) In a school district the elementary school earned $18 fundraising. The high school earned 5 times as much as the elementary school and the middle school earned $5 less than the elementary. How much did they earn total?

Elementary	18
Middle	5
High	

5) In one day a restaurant used 18 knives. They used 10 more forks than they used knives. They also used 3 as many spoons as knives. How many utensils do they use in a day?

knives	18
forks	10
spoons	

	Answers
1.	**116**
2.	**156**
3.	**254**
4.	**121**
5.	**100**