Multiples and Differences With Tape Diagram

Solve each problem using a tape diagram.

1) In a school district the elementary school earned $12 fundraising. The high school earned 2 times as much as the elementary school and the middle school earned $9 less than the elementary. How much did they earn total?

1. _____

2. _____

3. _____

4. _____

2) On Monday morning a store had 29 customer. In the afternoon they had 8 fewer customers than the morning. In the evening they had 3 times as many customers as the morning. How many customers did they have total?

5. _____

3) Carol uploaded a video to youtube that was 12 minutes long. The next week she uploaded a video that was 6 minutes longer. Then the following week she uploaded a video that was 2 times as long as the first week. How many minutes did she upload total?

4) Amy, Billy and Carl were working on a school project. Amy spent 17 minutes on her portion. Billy spent 10 times as long on his portion. And Carl spent 3 minutes fewer than Billy did. How many minutes total were they working?

5) The school book fair sold 23 books on Wednesday. On Friday they sold 4 fewer than Thursday. On Thursday they sold 6 times as many as on Wednesday. How many books did they sell in those three days?
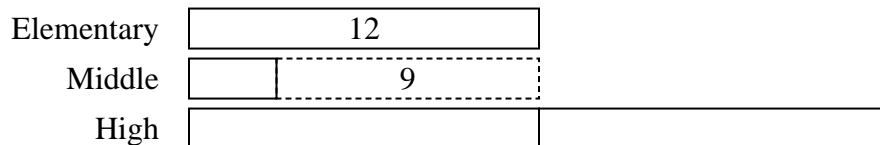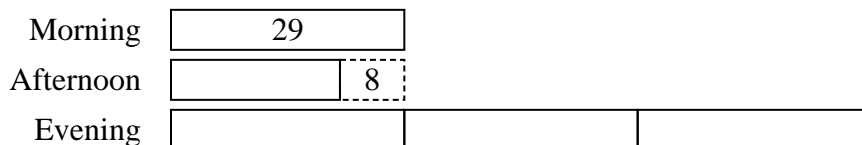
Math

Answer Key

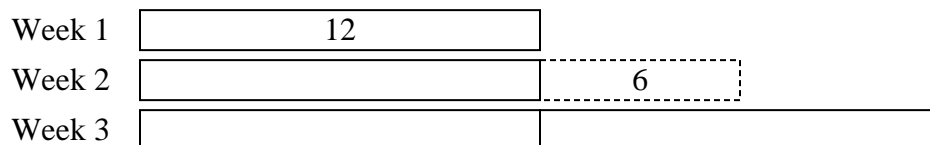**Solve each problem using a tape diagram.**

Answers

1) In a school district the elementary school earned $12 fundraising. The high school earned 2 times as much as the elementary school and the middle school earned $9 less than the elementary. How much did they earn total?

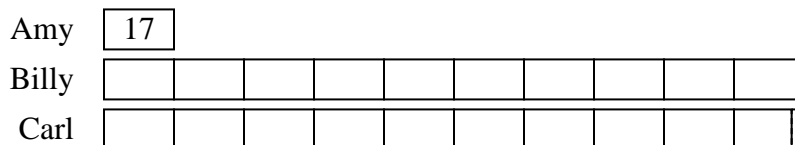| Elementary | 12 |
| Middle | | 9 |
| High | | |

1. ____**39**____

2) On Monday morning a store had 29 customer. In the afternoon they had 8 fewer customers than the morning. In the evening they had 3 times as many customers as the morning. How many customers did they have total?

Morning	29
Afternoon		8
Evening			

2. ____**137**____

3. ____**54**____

4. ____**354**____

3) Carol uploaded a video to youtube that was 12 minutes long. The next week she uploaded a video that was 6 minutes longer. Then the following week she uploaded a video that was 2 times as long as the first week. How many minutes did she upload total?

Week 1	12
Week 2		6
Week 3		

5. ____**295**____

4) Amy, Billy and Carl were working on a school project. Amy spent 17 minutes on her portion. Billy spent 10 times as long on his portion. And Carl spent 3 minutes fewer than Billy did. How many minutes total were they working?

Amy	17
Billy										
Carl										

5) The school book fair sold 23 books on Wednesday. On Friday they sold 4 fewer than Thursday. On Thursday they sold 6 times as many as on Wednesday. How many books did they sell in those three days?

Wednesday	23
Thursday						
Friday						

Math

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