



Solve each problem using a tape diagram.

Answers

- 1) Faye's TV emporium was running a contest to see which employee could sell the most TVs. Frank sold 9 times as many TVs as Danny. Edward sold 2 fewer than Frank. And Danny sold 27 TVs. How many TVs did they sell total?
- 2) Alice, Bobby and Charles were collecting cans. Charles collected 2 times as many cans as Alice. Alice collected 14 cans. And Bobby collected 8 more cans than Alice. How many cans did they collect total?
- 3) Janet uploaded a video to youtube that was 11 minutes long. The next week she uploaded a video that was 9 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) On Monday morning a store had 16 customer. In the afternoon they had 5 fewer customers than the morning. In the evening they had 4 times as many customers as the morning. How many customers did they have total?
- 5) In a school district the elementary school earned \$11 fundraising. The high school earned 3 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. _____

5. _____



Solve each problem using a tape diagram.

Answers

- 1) Faye's TV emporium was running a contest to see which employee could sell the most TVs. Frank sold 9 times as many TVs as Danny. Edward sold 2 fewer than Frank. And Danny sold 27 TVs. How many TVs did they sell total?

Danny	<div>27</div>
Frank	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>
Edward	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

1. **511**2. **64**3. **53**4. **91**5. **46**

- 2) Alice, Bobby and Charles were collecting cans. Charles collected 2 times as many cans as Alice. Alice collected 14 cans. And Bobby collected 8 more cans than Alice. How many cans did they collect total?

Alice	<div>14</div>
Bobby	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>
Charles	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

- 3) Janet uploaded a video to youtube that was 11 minutes long. The next week she uploaded a video that was 9 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	<div>11</div>
Week 2	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>
Week 3	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

- 4) On Monday morning a store had 16 customer. In the afternoon they had 5 fewer customers than the morning. In the evening they had 4 times as many customers as the morning. How many customers did they have total?

Morning	<div>16</div>
Afternoon	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>
Evening	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>

- 5) In a school district the elementary school earned \$11 fundraising. The high school earned 3 times as much as the elementary school and the middle school earned \$9 less than the elementary. How much did they earn total?

Elementary	<div>11</div>
Middle	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>
High	<div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div></div>