



Answers

1. _____
2. _____
3. _____
4. _____
5. _____



Solve each problem using a tape diagram.

- 1) Alice, Bobby and Charles were collecting cans. Charles collected 3 times as many cans as Alice. Alice collected 17 cans. And Bobby collected 5 more cans than Alice. How many cans did they collect total?

Alice	<div style="border: 1px solid black; padding: 2px 20px;">17</div>	
Bobby	<div style="border: 1px solid black; padding: 2px 20px;"></div>	<div style="border: 1px dashed black; padding: 2px 10px;">5</div>
Charles	<div style="border: 1px solid black; padding: 2px 20px;"></div>	<div style="border: 1px solid black; padding: 2px 20px;"></div>

- 2) In one day a restaurant used 19 knives. They used 9 more forks than they used knives. They also used 4 as many spoons as knives. How many utensils do they use in a day?

knives	<div style="border: 1px solid black; padding: 2px 20px;">19</div>	
forks	<div style="border: 1px solid black; padding: 2px 20px;"></div>	<div style="border: 1px dashed black; padding: 2px 10px;">9</div>
spoons	<div style="border: 1px solid black; padding: 2px 20px;"></div>	<div style="border: 1px solid black; padding: 2px 20px;"></div>

- 3) The school book fair sold 20 books on Wednesday. On Friday they sold 5 fewer than Thursday. On Thursday they sold 10 times as many as on Wednesday. How many books did they sell in those three days?

Wednesday	<div style="border: 1px solid black; padding: 2px 20px;">20</div>
Thursday	<div style="border: 1px solid black; padding: 2px 20px;"></div>
Friday	<div style="border: 1px solid black; padding: 2px 20px;"></div>

- 4) Debby's TV emporium was running a contest to see which employee could sell the most TVs. Frank sold 7 times as many TVs as Danny. Edward sold 5 fewer than Frank. And Danny sold 22 TVs. How many TVs did they sell total?

Danny	<div style="border: 1px solid black; padding: 2px 20px;">22</div>
Frank	<div style="border: 1px solid black; padding: 2px 20px;"></div>
Edward	<div style="border: 1px solid black; padding: 2px 20px;"></div>

- 5) At the fair the ring toss booth took in \$22 the first hour. The second hour they took \$10 less than the first hour. And the third hour they took 3 times the amount in the first hour. How much money did the ring toss booth take in the first 3 hours.

First Hour	<div style="border: 1px solid black; padding: 2px 20px;">22</div>
Second Hour	<div style="border: 1px solid black; padding: 2px 20px;"></div>
Third Hour	<div style="border: 1px solid black; padding: 2px 20px;"></div>

Answers

1. **90**
2. **123**
3. **415**
4. **325**
5. **100**