

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

- 1) In a school district the elementary school earned \$30 fundraising. The high school earned 4 times as much as the elementary school and the middle school earned \$5 less than the elementary. How much did they earn total?
- 2) In one day a restaurant used 15 knives. They used 8 more forks than they used knives. They also used 3 as many spoons as knives. How many utensils do they use in a day?
- 3) In one day Tom's Pizza Palace sold 13 sausage pizzas. They sold 5 fewer cheese pizzas and 2 times as many pepperoni pizzas. How many pizzas did they sell total?
- 4) 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 3 fewer than Frank. And Danny sold 19 TVs. How many TVs did they sell total?
- 5) While playing a video game Aaron, Bianca and Cathy counted the enemies they defeated. Aaron defeated 13. Bianca defeated 7 more than Aaron. And Cathy defeated 5 times as many as Aaron. How many enemies did they defeat total?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_



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**Answers**

- 1) In a school district the elementary school earned \$30 fundraising. The high school earned 4 times as much as the elementary school and the middle school earned \$5 less than the elementary. How much did they earn total?

Elementary	<input type="text" value="30"/>				
Middle	<input type="text" value="5"/>				
High	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

1. **175**2. **83**3. **47**4. **358**5. **98**

- 2) In one day a restaurant used 15 knives. They used 8 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	<input type="text" value="15"/>				
forks	<input type="text"/>	<input type="text" value="8"/>			
spoons	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- 3) In one day Tom's Pizza Palace sold 13 sausage pizzas. They sold 5 fewer cheese pizzas and 2 times as many pepperoni pizzas. How many pizzas did they sell total?

sausage	<input type="text" value="13"/>				
cheese	<input type="text"/>	<input type="text" value="5"/>			
pepperoni	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- 4) 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 3 fewer than Frank. And Danny sold 19 TVs. How many TVs did they sell total?

Danny	<input type="text" value="19"/>								
Frank	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Edward	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- 5) While playing a video game Aaron, Bianca and Cathy counted the enemies they defeated. Aaron defeated 13. Bianca defeated 7 more than Aaron. And Cathy defeated 5 times as many as Aaron. How many enemies did they defeat total?

Aaron	<input type="text" value="13"/>								
Bianca	<input type="text"/>	<input type="text" value="7"/>							
Cathy	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>