



Solve each problem using a tape diagram.

- 1) Stephanie and her friends were collecting cans to recycle. Stephanie collected 36. Her friend Jessica collected 3 times as many and her other friend Sarah collected 6 times as many. How many cans did they collect total?

- 2) On week 1 a football player jogged for 21 minutes. On week 2 he jogged for 2 times as long. On week 3 he jogged for 3 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?

- 3) In one day a restaurant used 37 knives. They also used 2 as many forks as they used knives. And 2 times as many spoons as forks. How many utensils do they use in a day?

- 4) Vanessa's Pizza Place sold 46 sausage pizzas on Super Bowl Sunday. They also sold about 6 times as many cheese pizzas and 6 times as many pepperoni pizzas. How many pizzas did they sell total?

- 5) Chef John buys 46 carrots. He buys 2 times as many potatoes as carrots and 3 times as many tomatoes as potatoes. How many vegetables did he buy all together?

Answers

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



Solve each problem using a tape diagram.

- 1) Stephanie and her friends were collecting cans to recycle. Stephanie collected 36. Her friend Jessica collected 3 times as many and her other friend Sarah collected 6 times as many. How many cans did they collect total?

Stephanie	36					
Jessica						
Sarah						

- 2) On week 1 a football player jogged for 21 minutes. On week 2 he jogged for 2 times as long. On week 3 he jogged for 3 times as long as he jogged on week 2. How many minute did he jog across all 3 weeks?

Week 1	21					
Week 2						
Week 3						

- 3) In one day a restaurant used 37 knives. They also used 2 as many forks as they used knives. And 2 times as many spoons as forks. How many utensils do they use in a day?

knives	37					
forks						
spoons						

- 4) Vanessa's Pizza Place sold 46 sausage pizzas on Super Bowl Sunday. They also sold about 6 times as many cheese pizzas and 6 times as many pepperoni pizzas. How many pizzas did they sell total?

Sausage	46					
Cheese						
Pepperoni						

- 5) Chef John buys 46 carrots. He buys 2 times as many potatoes as carrots and 3 times as many tomatoes as potatoes. How many vegetables did he buy all together?

Carrots	46					
Potatoes						
Tomatoes						

Answers

1. 360
2. 189
3. 259
4. 598
5. 414