

Solve each problem using a tape diagram.

Answers

- 1) A store sold 47 C batteries in a day. They sold 6 as many AAA batteries as C batteries and 5 times as many AA as AAA batteries. How many batteries did they sell total?
- 2) Chef Luke buys 28 carrots. He buys 3 times as many potatoes as carrots and 3 times as many tomatoes as potatoes. How many vegetables did he buy all together?
- 3) In one day a restaurant used 24 knives. They also used 6 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) In one day a restaurant used 18 knives. They also used 4 as many forks as they used knives. And 3 times as many spoons as forks. How many utensils do they use in a day?
- 5) Chef George buys 25 carrots. He buys 7 times as many potatoes as carrots and 6 times as many tomatoes as potatoes. How many vegetables did he buy all together?

1. _____

2. _____

3. _____

4. _____

5. _____

Solve each problem using a tape diagram.

Answers

- 1) A store sold 47 C batteries in a day. They sold 6 as many AAA batteries as C batteries and 5 times as many AA as AAA batteries. How many batteries did they sell total?

Diagram illustrating the structure of a 47-bit register:

- C** (Control): 4 bits
- AAA** (Address): 5 bits
- AA** (Data): 38 bits

1. **1739**

2. **364**

3. **456**

4. **306**

5. **1250**

- 2) Chef Luke buys 28 carrots. He buys 3 times as many potatoes as carrots and 3 times as many tomatoes as potatoes. How many vegetables did he buy all together?

Carrots	28								
Potatoes									
Tomatoes									

- 3) In one day a restaurant used 24 knives. They also used 6 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	<div style="border: 1px solid black; padding: 2px 10px; display: inline-block;">24</div>
forks	<div style="border: 1px solid black; display: inline-block; width: 60px; height: 20px;"></div>
spoons	<div style="border: 1px solid black; display: inline-block; width: 280px; height: 20px;"></div>

- 4) In one day a restaurant used 18 knives. They also used 4 as many forks as they used knives. And 3 times as many spoons as forks. How many utensils do they use in a day?

[illegible]

- 5) Chef George buys 25 carrots. He buys 7 times as many potatoes as carrots and 6 times as many tomatoes as potatoes. How many vegetables did he buy all together?

Carrots	25
Potatoes	10
Tomatoes	50