

Solve each problem using a tape diagram.

Answers

- 1) Stephanie and her friends were collecting cans to recycle. Stephanie collected 29. Her friend Jessica collected 7 times as many and her other friend Sarah collected 3 times as many. How many cans did they collect total?
- 2) A store sold 31 C batteries in a day. They sold 3 as many AAA batteries as C batteries and 2 times as many AA as AAA batteries. How many batteries did they sell total?
- 3) A movie theater typically sells 20 small sodas a day. They also sell about 2 times as many medium and 9 times as many large sodas. How many sodas do they sell in a day?
- 4) In one day a restaurant used 34 knives. They also used 2 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) A malt shop sold 18 vanilla shakes. They sold 2 times as many strawberry shakes and 3 times as many chocolate shakes. How many shakes did they sell total?

1. _____

2. _____

3. _____

4. _____

5. _____



Solve each problem using a tape diagram.

- 1) Stephanie and her friends were collecting cans to recycle. Stephanie collected 29. Her friend Jessica collected 7 times as many and her other friend Sarah collected 3 times as many. How many cans did they collect total?

Stephanie	<input type="text" value="29"/>						
Jessica	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Sarah	<input type="text"/>	<input type="text"/>	<input type="text"/>				

- 2) A store sold 31 C batteries in a day. They sold 3 as many AAA batteries as C batteries and 2 times as many AA as AAA batteries. How many batteries did they sell total?

C	<input type="text" value="31"/>						
AAA	<input type="text"/>	<input type="text"/>	<input type="text"/>				
AA	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- 3) A movie theater typically sells 20 small sodas a day. They also sell about 2 times as many medium and 9 times as many large sodas. How many sodas do they sell in a day?

Small	<input type="text" value="20"/>							
Medium	<input type="text"/>	<input type="text"/>						
Large	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

- 4) In one day a restaurant used 34 knives. They also used 2 as many forks as they used knives. And 3 times as many spoons as forks. How many utensils do they use in a day?

knives	<input type="text" value="34"/>							
forks	<input type="text"/>	<input type="text"/>						
spoons	<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) A malt shop sold 18 vanilla shakes. They sold 2 times as many strawberry shakes and 3 times as many chocolate shakes. How many shakes did they sell total?

vanilla	<input type="text" value="18"/>						
strawberry	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
chocolate	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Answers

1. **319**
2. **310**
3. **240**
4. **306**
5. **108**