



Solve each problem using a tape diagram.

Answers

- Stephanie and her friends were collecting cans to recycle. Stephanie collected 17. Her friend Jessica collected 6 times as many and her other friend Sarah collected 8 times as many. How many cans did they collect total?
- In one day a restaurant used 40 knives. They also used 4 as many forks as they used knives. And 2 times as many spoons as forks. How many utensils do they use in a day?
- A movie theater typically sells 14 small sodas a day. They also sell about 7 times as many medium and 6 times as many large sodas. How many sodas do they sell in a day?
- Chef Will buys 50 carrots. He buys 4 times as many potatoes as carrots and 3 times as many tomatoes as potatoes. How many vegetables did he buy all together?
- A malt shop sold 29 vanilla shakes. They sold 7 times as many strawberry shakes and 9 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 17. Her friend Jessica collected 6 times as many and her other friend Sarah collected 8 times as many. How many cans did they collect total?

Stephanie

Jessica

Sarah

- 2) In one day a restaurant used 40 knives. They also used 4 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

forks

spoons

- 3) A movie theater typically sells 14 small sodas a day. They also sell about 7 times as many medium and 6 times as many large sodas. How many sodas do they sell in a day?

Small

Medium

Large

- 4) Chef Will buys 50 carrots. He buys 4 times as many potatoes as carrots and 3 times as many tomatoes as potatoes. How many vegetables did he buy all together?

Carrots

Potatoes

Tomatoes

- 5) A malt shop sold 29 vanilla shakes. They sold 7 times as many strawberry shakes and 9 times as many chocolate shakes. How many shakes did they sell total?

vanilla

strawberry

chocolate

Answers

1. 255

2. 520

3. 196

4. 850

5. 493