



Solve each problem using a tape diagram.

- 1) At Gwen's Ice Cream Emporium they sold 639 ice cream cones in a day. $\frac{6}{9}$ of them sold were chocolate. $\frac{2}{3}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

- 2) On Janet's phone $\frac{1}{6}$ of the pictures were selfies. Of the other pictures on her phone $\frac{2}{5}$ were of her cat. If she has 378 pictures on her phone, how many are not of her cat or selfies?

- 3) A pizzeria owner sold 330 pizzas on Friday. $\frac{1}{10}$ of all the pizzas sold were pepperoni. $\frac{3}{9}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

- 4) At the school carnival $\frac{3}{10}$ of the money spent is spent on games. Of what is not spent on games, $\frac{6}{7}$ is spent on food. If \$470 are spent each day at the carnival, how much is not spent on games or food?

- 5) A store started with 231 sodas. They sold $\frac{4}{7}$ of them over the next month and they had to throw out $\frac{2}{3}$ of the ones that were left because they were expired. How many sodas did they have at the end?

Answers

1. _____

2. _____

3. _____

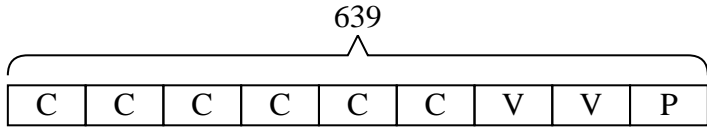
4. _____

5. _____



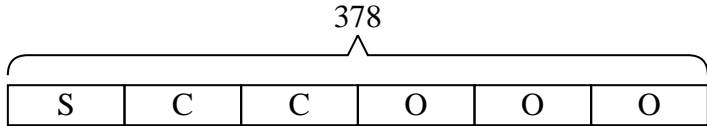
Solve each problem using a tape diagram.

- 1) At Gwen's Ice Cream Emporium they sold 639 ice cream cones in a day. $\frac{6}{9}$ of them sold were chocolate. $\frac{2}{3}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?



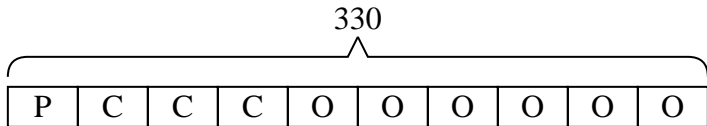
P = Pistachio
C = Chocolate
V = Vanilla

- 2) On Janet's phone $\frac{1}{6}$ of the pictures were selfies. Of the other pictures on her phone $\frac{2}{5}$ were of her cat. If she has 378 pictures on her phone, how many are not of her cat or selfies?



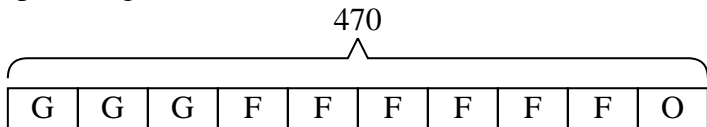
O = Other
S = Selfies
C = Cat

- 3) A pizzeria owner sold 330 pizzas on Friday. $\frac{1}{10}$ of all the pizzas sold were pepperoni. $\frac{3}{9}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?



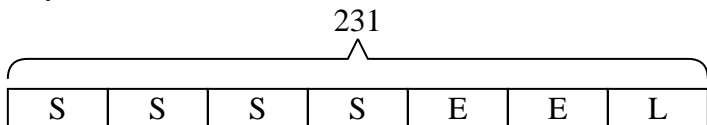
O = Other
P = Pepperoni
C = Cheese

- 4) At the school carnival $\frac{3}{10}$ of the money spent is spent on games. Of what is not spent on games, $\frac{6}{7}$ is spent on food. If \$470 are spent each day at the carnival, how much is not spent on games or food?



O = Other
G = Games
F = Food

- 5) A store started with 231 sodas. They sold $\frac{4}{7}$ of them over the next month and they had to throw out $\frac{2}{3}$ of the ones that were left because they were expired. How many sodas did they have at the end?



L = Left
S = Sold
E = Expired

Answers

1. 71
2. 189
3. 198
4. 47
5. 33