



Solve each problem using a tape diagram.

- 1) At Gwen's Ice Cream Emporium they sold 539 ice cream cones in a day. $\frac{5}{7}$ of them sold were chocolate. $\frac{1}{2}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

- 2) A game store had 50 amiibo they were trying to sell. They sold $\frac{2}{5}$ at normal price. Then they sold $\frac{1}{3}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

- 3) On Debby's phone $\frac{1}{9}$ of the pictures were selfies. Of the other pictures on her phone $\frac{5}{8}$ were of her cat. If she has 468 pictures on her phone, how many are not of her cat or selfies?

- 4) Rachel went shopping on Black Friday. She spent \$588 total. $\frac{2}{6}$ of what she spent was at Best Buy. She spent $\frac{2}{4}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

- 5) A store started with 540 sodas. They sold $\frac{2}{6}$ of them over the next month and they had to throw out $\frac{3}{4}$ of the ones that were left because they were expired. How many sodas did they have at the end?

Answers

1. _____

2. _____

3. _____

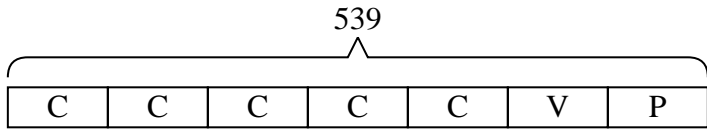
4. _____

5. _____



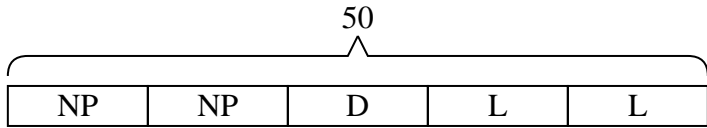
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- 1) At Gwen's Ice Cream Emporium they sold 539 ice cream cones in a day. $\frac{5}{7}$ of them sold were chocolate. $\frac{1}{2}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?



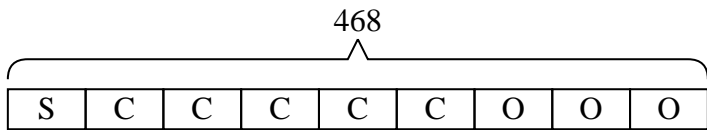
P = Pistachio
C = Chocolate
V = Vanilla

- 2) A game store had 50 amiibo they were trying to sell. They sold $\frac{2}{5}$ at normal price. Then they sold $\frac{1}{3}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?



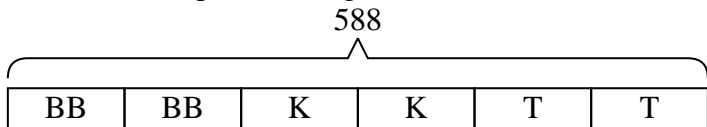
L = Left
NP = normal
D = Discount

- 3) On Debby's phone $\frac{1}{9}$ of the pictures were selfies. Of the other pictures on her phone $\frac{5}{8}$ were of her cat. If she has 468 pictures on her phone, how many are not of her cat or selfies?



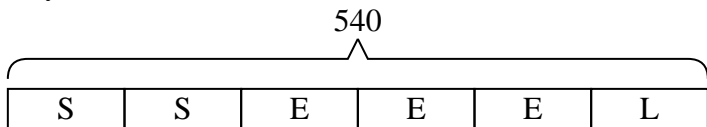
O = Other
S = Selfies
C = Cat

- 4) Rachel went shopping on Black Friday. She spent \$588 total. $\frac{2}{6}$ of what she spent was at Best Buy. She spent $\frac{2}{4}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?



T = Target
BB = Best Buy
K = Kohls

- 5) A store started with 540 sodas. They sold $\frac{2}{6}$ of them over the next month and they had to throw out $\frac{3}{4}$ 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. 77

2. 20

3. 156

4. 196

5. 90