



Solve each problem using a tape diagram.

- 1) At Gwen's Ice Cream Emporium they sold 110 ice cream cones in a day. $\frac{5}{10}$ of them sold were chocolate. $\frac{3}{5}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

- 2) A store started with 837 sodas. They sold $\frac{2}{9}$ of them over the next month and they had to throw out $\frac{3}{7}$ of the ones that were left because they were expired. How many sodas did they have at the end?

- 3) On Adam's phone he has 392 songs. $\frac{1}{8}$ of the songs are alternative. $\frac{4}{7}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

- 4) A game store had 378 amiibo they were trying to sell. They sold $\frac{5}{7}$ at normal price. Then they sold $\frac{1}{2}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

- 5) A pizzeria owner sold 310 pizzas on Friday. $\frac{2}{5}$ of all the pizzas sold were pepperoni. $\frac{2}{3}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

Answers

1. _____

2. _____

3. _____

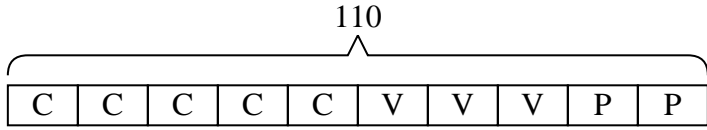
4. _____

5. _____



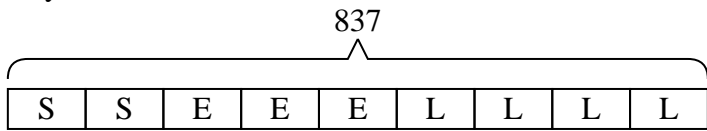
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- 1) At Gwen's Ice Cream Emporium they sold 110 ice cream cones in a day. $\frac{5}{10}$ of them sold were chocolate. $\frac{3}{5}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?



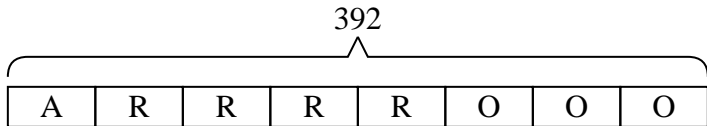
P = Pistachio
C = Chocolate
V = Vanilla

- 2) A store started with 837 sodas. They sold $\frac{2}{9}$ of them over the next month and they had to throw out $\frac{3}{7}$ of the ones that were left because they were expired. How many sodas did they have at the end?



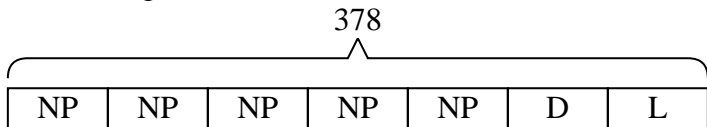
L = Left
S = Sold
E = Expired

- 3) On Adam's phone he has 392 songs. $\frac{1}{8}$ of the songs are alternative. $\frac{4}{7}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?



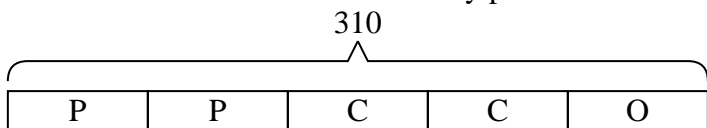
O = Other
A = Alternative
R = Rock

- 4) A game store had 378 amiibo they were trying to sell. They sold $\frac{5}{7}$ at normal price. Then they sold $\frac{1}{2}$ 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

- 5) A pizzeria owner sold 310 pizzas on Friday. $\frac{2}{5}$ of all the pizzas sold were pepperoni. $\frac{2}{3}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?



O = Other
P = Pepperoni
C = Cheese

Answers

1. 22

2. 372

3. 147

4. 54

5. 62