



Solve each problem using a tape diagram.

- 1) On Kaleb's phone he has 250 songs. $\frac{7}{10}$ of the songs are alternative. $\frac{1}{3}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

- 2) A game store had 837 amiibo they were trying to sell. They sold $\frac{5}{9}$ at normal price. Then they sold $\frac{3}{4}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

- 3) At the school carnival $\frac{7}{9}$ of the money spent is spent on games. Of what is not spent on games, $\frac{1}{2}$ is spent on food. If \$414 are spent each day at the carnival, how much is not spent on games or food?

- 4) A pizzeria owner sold 765 pizzas on Friday. $\frac{6}{9}$ of all the pizzas sold were pepperoni. $\frac{1}{3}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

- 5) A store started with 846 sodas. They sold $\frac{7}{9}$ of them over the next month and they had to throw out $\frac{1}{2}$ of the ones that were left because they were expired. How many sodas did they have at the end?

Answers

1. _____

2. _____

3. _____

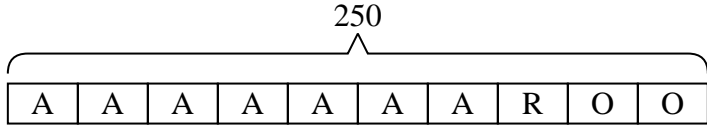
4. _____

5. _____



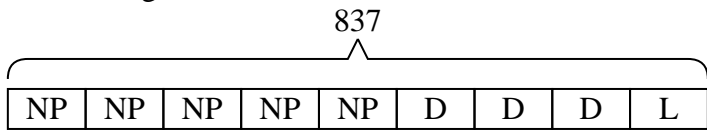
Solve each problem using a tape diagram.

- 1) On Kaleb's phone he has 250 songs. $\frac{7}{10}$ of the songs are alternative. $\frac{1}{3}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?



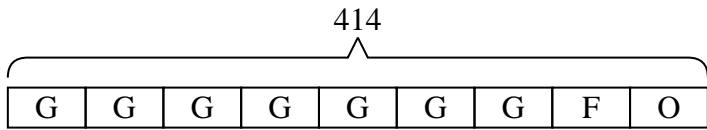
O = Other
A = Alternative
R = Rock

- 2) A game store had 837 amiibo they were trying to sell. They sold $\frac{5}{9}$ at normal price. Then they sold $\frac{3}{4}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?



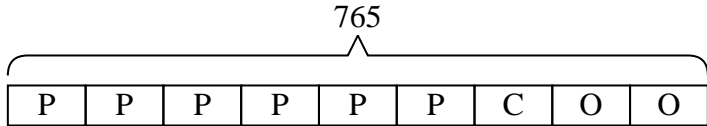
L = Left
NP = normal
D = Discount

- 3) At the school carnival $\frac{7}{9}$ of the money spent is spent on games. Of what is not spent on games, $\frac{1}{2}$ is spent on food. If \$414 are spent each day at the carnival, how much is not spent on games or food?



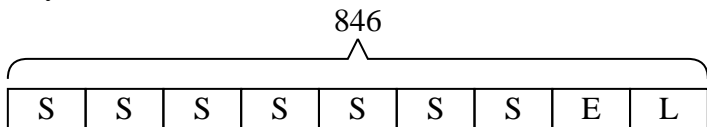
O = Other
G = Games
F = Food

- 4) A pizzeria owner sold 765 pizzas on Friday. $\frac{6}{9}$ of all the pizzas sold were pepperoni. $\frac{1}{3}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?



O = Other
P = Pepperoni
C = Cheese

- 5) A store started with 846 sodas. They sold $\frac{7}{9}$ of them over the next month and they had to throw out $\frac{1}{2}$ 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. 50

2. 93

3. 46

4. 170

5. 94