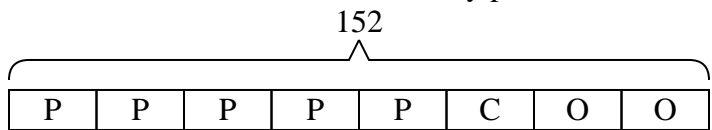**Solve each problem using a tape diagram.**

1) A pizzeria owner sold 152 pizzas on Friday. $\frac{5}{8}$ 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?

1. _____

2. _____

3. _____

4. _____

2) On Lana's phone $\frac{1}{5}$ of the pictures were selfies. Of the other pictures on her phone $\frac{3}{4}$ were of her cat. If she has 465 pictures on her phone, how many are not of her cat or selfies?

5. _____

3) At Emily's Ice Cream Emporium they sold 95 ice cream cones in a day. $\frac{3}{5}$ 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?

4) A store started with 96 sodas. They sold $\frac{3}{6}$ of them over the next month and they had to throw out $\frac{1}{3}$ of the ones that were left because they were expired. How many sodas did they have at the end?

5) A game store had 135 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?
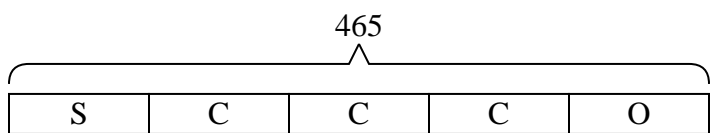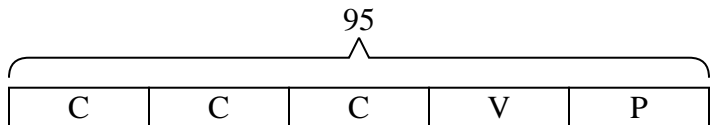
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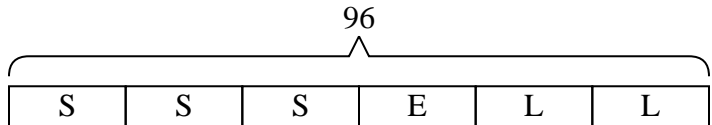
152

P	P	P	P	P	C	O	O

O = Other
P = Pepperoni
C = Cheese

2) On Lana's phone $\frac{1}{5}$ of the pictures were selfies. Of the other pictures on her phone $\frac{3}{4}$ were of her cat. If she has 465 pictures on her phone, how many are not of her cat or selfies?
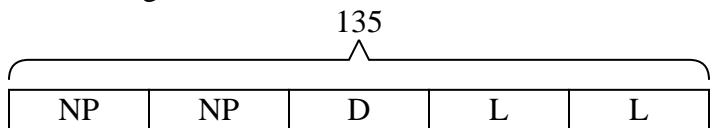
465

S	C	C	C	O

O = Other
S = Selfies
C = Cat

3) At Emily's Ice Cream Emporium they sold 95 ice cream cones in a day. $\frac{3}{5}$ 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?

95

C	C	C	V	P

P = Pistachio
C = Chocolate
V = Vanilla

4) A store started with 96 sodas. They sold $\frac{3}{6}$ of them over the next month and they had to throw out $\frac{1}{3}$ of the ones that were left because they were expired. How many sodas did they have at the end?

96

S	S	S	E	L	L

L = Left
S = Sold
E = Expired

5) A game store had 135 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?

135

NP	NP	D	L	L

L = Left
NP = normal
D = Discount

1.	**38**
2.	**93**
3.	**19**
4.	**32**
5.	**54**