Fractions With Tape Diagram

Name:

Solve each problem using a tape diagram.

1) A game store had 846 amiibo they were trying to sell. They sold $\frac{2}{9}$ at normal price. Then they sold $\frac{5}{7}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

1. _____

2. _____

3. _____

4. _____

2) A pizzeria owner sold 680 pizzas on Friday. $\frac{8}{10}$ of all the pizzas sold were pepperoni. $\frac{1}{2}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

5. _____

3) On Luke's phone he has 180 songs. $\frac{2}{9}$ of the songs are alternative. $\frac{3}{7}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

4) At Rachel's Ice Cream Emporium they sold 792 ice cream cones in a day. $\frac{1}{8}$ of them sold were chocolate. $\frac{5}{7}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

5) On Olivia's phone $\frac{4}{9}$ of the pictures were selfies. Of the other pictures on her phone $\frac{1}{5}$ were of her cat. If she has 738 pictures on her phone, how many are not of her cat or selfies?
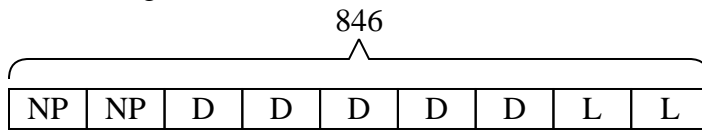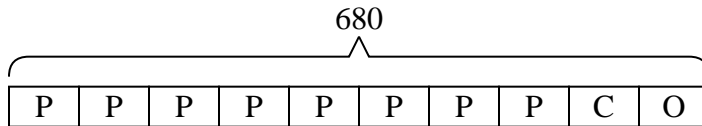
Solve each problem using a tape diagram.

1) A game store had 846 amiibo they were trying to sell. They sold $\frac{2}{9}$ at normal price. Then they sold $\frac{5}{7}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

846

NP	NP	D	D	D	D	D	L	L

L = Left
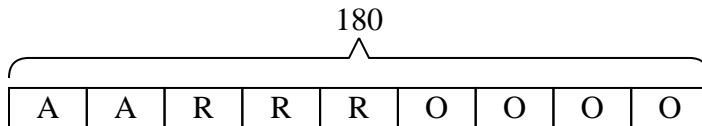NP = normal
D = Discount

1. **188**

2. **68**

3. **80**

4. **198**

5. **328**

2) A pizzeria owner sold 680 pizzas on Friday. $\frac{8}{10}$ of all the pizzas sold were pepperoni. $\frac{1}{2}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?
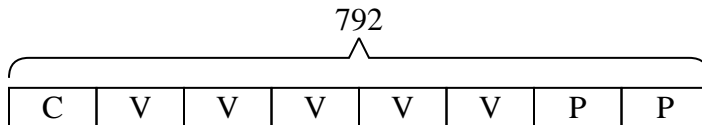
680

P	P	P	P	P	P	P	P	C	O

O = Other
P = Pepperoni
C = Cheese

3) On Luke's phone he has 180 songs. $\frac{2}{9}$ of the songs are alternative. $\frac{3}{7}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?
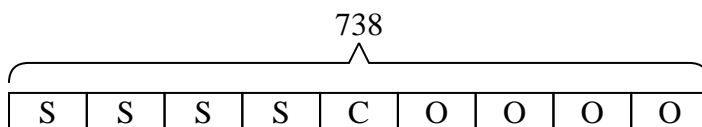
180

A	A	R	R	R	O	O	O	O

O = Other
A = Alternative
R = Rock

4) At Rachel's Ice Cream Emporium they sold 792 ice cream cones in a day. $\frac{1}{8}$ of them sold were chocolate. $\frac{5}{7}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

792

C	V	V	V	V	V	P	P

P = Pistachio
C = Chocolate
V = Vanilla

5) On Olivia's phone $\frac{4}{9}$ of the pictures were selfies. Of the other pictures on her phone $\frac{1}{5}$ were of her cat. If she has 738 pictures on her phone, how many are not of her cat or selfies?

738

S	S	S	S	C	O	O	O	O

O = Other
S = Selfies
C = Cat

Math

1-5 | 80 | 60 | 40 | 20 | 0