Solve each problem using a tape diagram.

1) At Bianca's Ice Cream Emporium they sold 160 ice cream cones in a day. $\frac{6}{10}$ of them sold were chocolate. $\frac{3}{4}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

1. _____

2. _____

3. _____

4. _____

2) On Luke's phone he has 266 songs. $\frac{4}{7}$ of the songs are alternative. $\frac{2}{3}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

5. _____

3) At the school carnival $\frac{5}{10}$ of the money spent is spent on games. Of what is not spent on games, $\frac{4}{5}$ is spent on food. If $100 are spent each day at the carnival, how much is not spent on games or food?

4) On Carol's phone $\frac{2}{9}$ of the pictures were selfies. Of the other pictures on her phone $\frac{4}{7}$ were of her cat. If she has 585 pictures on her phone, how many are not of her cat or selfies?

5) A game store had 560 amiibo they were trying to sell. They sold $\frac{6}{10}$ at normal price. Then they sold $\frac{1}{4}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

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

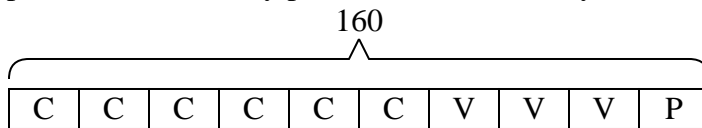**Solve each problem using a tape diagram.**

1) At Bianca's Ice Cream Emporium they sold 160 ice cream cones in a day. $\frac{6}{10}$ of them sold were chocolate. $\frac{3}{4}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

160

C	C	C	C	C	C	V	V	V	P

P = Pistachio
C = Chocolate
V = Vanilla

2) On Luke's phone he has 266 songs. $\frac{4}{7}$ of the songs are alternative. $\frac{2}{3}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

266

A	A	A	A	R	R	O
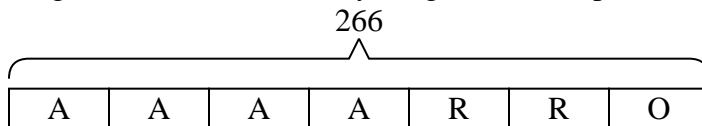
O = Other
A = Alternative
R = Rock

3) At the school carnival $\frac{5}{10}$ of the money spent is spent on games. Of what is not spent on games, $\frac{4}{5}$ is spent on food. If \$100 are spent each day at the carnival, how much is not spent on games or food?
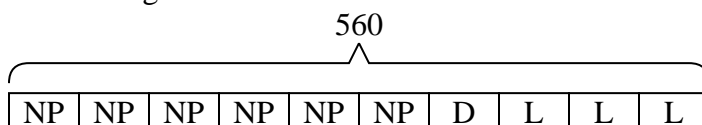
100

G	G	G	G	G	F	F	F	F	O
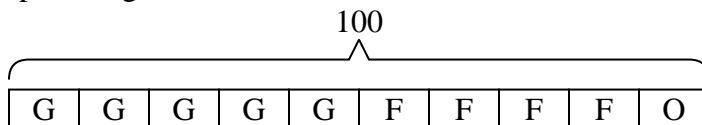
O = Other
G = Games
F = Food

4) On Carol's phone $\frac{2}{9}$ of the pictures were selfies. Of the other pictures on her phone $\frac{4}{7}$ were of her cat. If she has 585 pictures on her phone, how many are not of her cat or selfies?

585

S	S	C	C	C	C	O	O	O
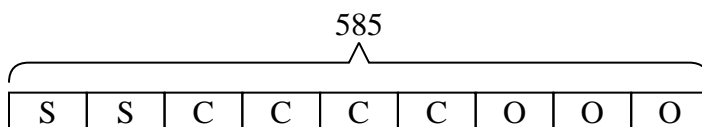
O = Other
S = Selfies
C = Cat

5) A game store had 560 amiibo they were trying to sell. They sold $\frac{6}{10}$ at normal price. Then they sold $\frac{1}{4}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

560

NP	NP	NP	NP	NP	NP	D	L	L	L

L = Left
NP = normal
D = Discount

1.	**16**
2.	**38**
3.	**10**
4.	**195**
5.	**168**

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