Solve each problem using a tape diagram.

1) On Emily's phone $\frac{2}{6}$ of the pictures were selfies. Of the other pictures on her phone $\frac{2}{4}$ were of her cat. If she has 486 pictures on her phone, how many are not of her cat or selfies?

1. _____

2. _____

3. _____

4. _____

2) At the school carnival $\frac{1}{7}$ of the money spent is spent on games. Of what is not spent on games, $\frac{4}{6}$ is spent on food. If $378 are spent each day at the carnival, how much is not spent on games or food?

5. _____

3) A game store had 567 amiibo they were trying to sell. They sold $\frac{4}{7}$ 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?

4) A store started with 189 sodas. They sold $\frac{1}{9}$ of them over the next month and they had to throw out $\frac{1}{8}$ of the ones that were left because they were expired. How many sodas did they have at the end?
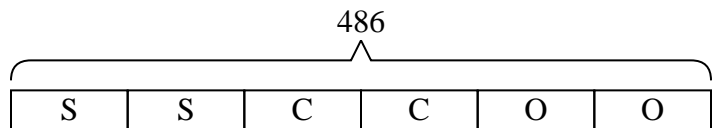
5) On Frank's phone he has 126 songs. $\frac{2}{6}$ of the songs are alternative. $\frac{2}{4}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?
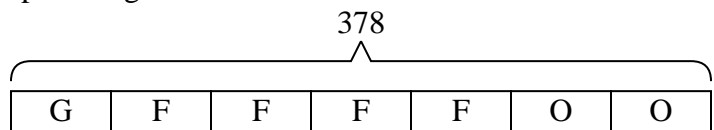
Math

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

Name:

Solve each problem using a tape diagram.

1) On Emily's phone $\frac{2}{6}$ of the pictures were selfies. Of the other pictures on her phone $\frac{2}{4}$ were of her cat. If she has 486 pictures on her phone, how many are not of her cat or selfies?
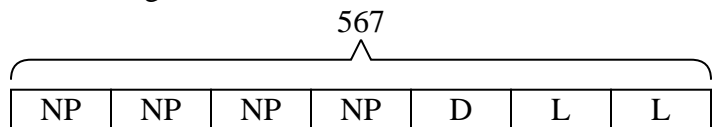
486

S	S	C	C	O	O

O = Other
S = Selfies
C = Cat

2) At the school carnival $\frac{1}{7}$ of the money spent is spent on games. Of what is not spent on games, $\frac{4}{6}$ is spent on food. If \$378 are spent each day at the carnival, how much is not spent on games or food?
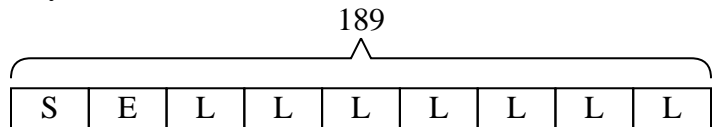
378

G	F	F	F	F	O	O

O = Other
G = Games
F = Food

3) A game store had 567 amiibo they were trying to sell. They sold $\frac{4}{7}$ 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?
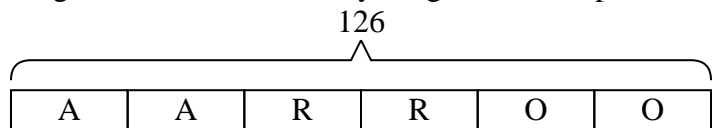
567

NP	NP	NP	NP	D	L	L

L = Left
NP = normal
D = Discount

4) A store started with 189 sodas. They sold $\frac{1}{9}$ of them over the next month and they had to throw out $\frac{1}{8}$ of the ones that were left because they were expired. How many sodas did they have at the end?

189

S	E	L	L	L	L	L	L	L

L = Left
S = Sold
E = Expired

5) On Frank's phone he has 126 songs. $\frac{2}{6}$ of the songs are alternative. $\frac{2}{4}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

126

A	A	R	R	O	O

O = Other
A = Alternative
R = Rock

1. **162**

2. **108**

3. **162**

4. **147**

5. **42**