Name:

Solve each problem using a tape diagram.

1) At Olivia's Ice Cream Emporium they sold 539 ice cream cones in a day. $\frac{1}{7}$ of them sold were chocolate. $\frac{1}{6}$ 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) A game store had 402 amiibo they were trying to sell. They sold $\frac{4}{6}$ at normal price. Then they sold $\frac{1}{2}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

5. _____

3) Vanessa went shopping on Black Friday. She spent $180 total. $\frac{4}{6}$ of what she spent was at Best Buy. She spent $\frac{1}{2}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

4) A store started with 155 sodas. They sold $\frac{2}{5}$ 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?
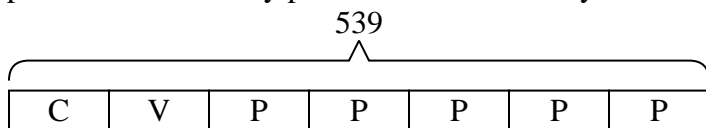
5) On Will's phone he has 270 songs. $\frac{4}{9}$ of the songs are alternative. $\frac{3}{5}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?
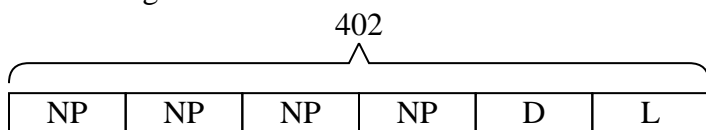
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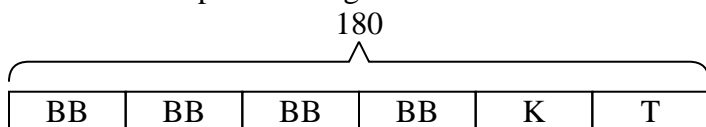
539

C	V	P	P	P	P	P

P = Pistachio
C = Chocolate
V = Vanilla

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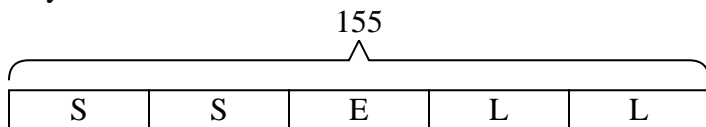
402

NP	NP	NP	NP	D	L

L = Left
NP = normal
D = Discount

3) Vanessa went shopping on Black Friday. She spent $180 total. $\frac{4}{6}$ of what she spent was at Best Buy. She spent $\frac{1}{2}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?
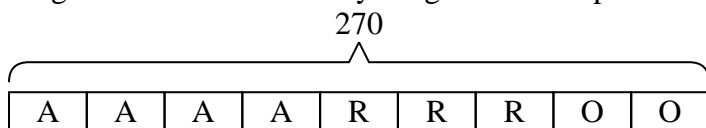
180

BB	BB	BB	BB	K	T

T = Target
BB = Best Buy
K = Kohls

4) A store started with 155 sodas. They sold $\frac{2}{5}$ 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?

155

S	S	E	L	L

L = Left
S = Sold
E = Expired

5) On Will's phone he has 270 songs. $\frac{4}{9}$ of the songs are alternative. $\frac{3}{5}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

270

A	A	A	A	R	R	R	O	O

O = Other
A = Alternative
R = Rock

	Answers
1.	**385**
2.	**67**
3.	**30**
4.	**62**
5.	**60**

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