Fractions With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

1) At Robin's Ice Cream Emporium they sold 891 ice cream cones in a day. $^1/_9$ of them sold were chocolate. $^1/_8$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

2) Isabel went shopping on Black Friday. She spent $672 total. $^5/_8$ of what she spent was at Best Buy. She spent $^1/_3$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

3) A game store had 693 amiibo they were trying to sell. They sold $^2/_7$ at normal price. Then they sold $^1/_5$ 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 684 sodas. They sold $^3/_9$ of them over the next month and they had to throw out $^1/_6$ of the ones that were left because they were expired. How many sodas did they have at the end?

5) At the school carnival $^2/_6$ of the money spent is spent on games. Of what is not spent on games, $^2/_4$ is spent on food. If $300 are spent each day at the carnival, how much is not spent on games or food?
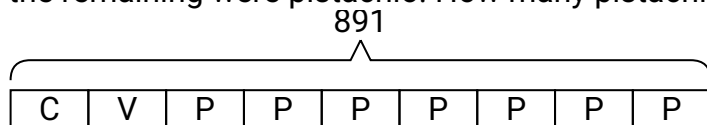
1. _____

2. _____

3. _____

4. _____

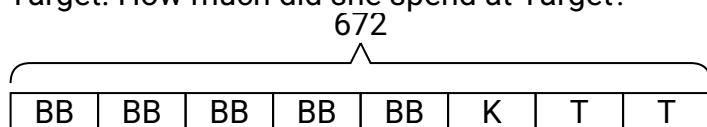5. _____

Name:

Solve each problem using a tape diagram.

Answers

1) At Robin's Ice Cream Emporium they sold 891 ice cream cones in a day. $^1/_9$ of them sold were chocolate. $^1/_8$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?
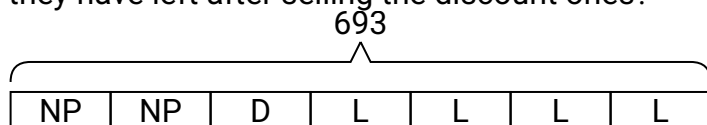
891

C	V	P	P	P	P	P	P	P

P = Pistachio
C = Chocolate
V = Vanilla

2) Isabel went shopping on Black Friday. She spent $672 total. $^5/_8$ of what she spent was at Best Buy. She spent $^1/_3$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?
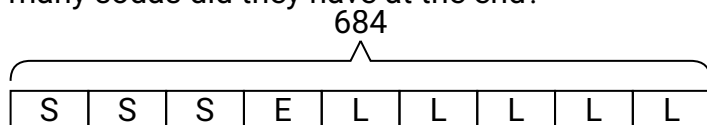
672

BB	BB	BB	BB	BB	K	T	T

T = Target
BB = Best Buy
K = Kohls

3) A game store had 693 amiibo they were trying to sell. They sold $^2/_7$ at normal price. Then they sold $^1/_5$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?
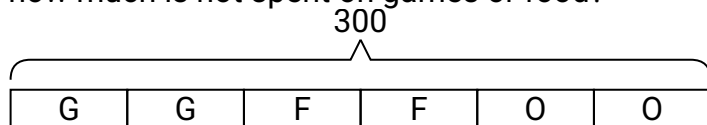
693

NP	NP	D	L	L	L	L

L = Left
NP = normal
D = Discount

4) A store started with 684 sodas. They sold $^3/_9$ of them over the next month and they had to throw out $^1/_6$ of the ones that were left because they were expired. How many sodas did they have at the end?

684

S	S	S	E	L	L	L	L	L

L = Left
S = Sold
E = Expired

5) At the school carnival $^2/_6$ of the money spent is spent on games. Of what is not spent on games, $^2/_4$ is spent on food. If $300 are spent each day at the carnival, how much is not spent on games or food?

300

G	G	F	F	O	O

O = Other
G = Games
F = Food

Answers

1. **693**

2. **168**

3. **396**

4. **380**

5. **100**