Fractions With Tape Diagram

Name:

Solve each problem using a tape diagram.

1) At the school carnival $\frac{2}{5}$ of the money spent is spent on games. Of what is not spent on games, $\frac{1}{3}$ is spent on food. If $245 are spent each day at the carnival, how much is not spent on games or food?

2) At Isabel's Ice Cream Emporium they sold 350 ice cream cones in a day. $\frac{3}{5}$ of them sold were chocolate. $\frac{1}{2}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

3) On Faye's phone $\frac{1}{6}$ of the pictures were selfies. Of the other pictures on her phone $\frac{4}{5}$ were of her cat. If she has 252 pictures on her phone, how many are not of her cat or selfies?

4) A game store had 792 amiibo they were trying to sell. They sold $\frac{6}{8}$ 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) A pizzeria owner sold 413 pizzas on Friday. $\frac{4}{7}$ of all the pizzas sold were pepperoni. $\frac{2}{3}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

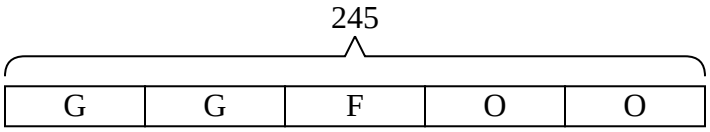
Answers

1. _____
2. _____
3. _____
4. _____
5. _____

Fractions With Tape Diagram Name: **Answer Key**

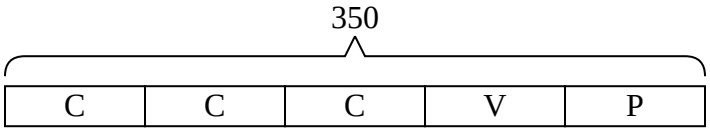
Solve each problem using a tape diagram.

1) At the school carnival $\frac{2}{5}$ of the money spent is spent on games. Of what is not spent on games, $\frac{1}{3}$ is spent on food. If $245 are spent each day at the carnival, how much is not spent on games or food?



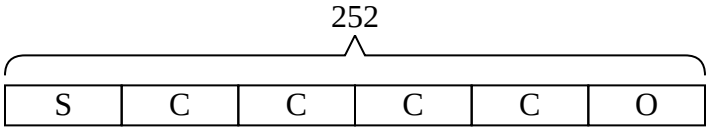
O = Other
G = Games
F = Food

2) At Isabel's Ice Cream Emporium they sold 350 ice cream cones in a day. $\frac{3}{5}$ of them sold were chocolate. $\frac{1}{2}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?



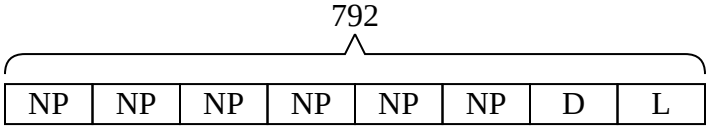
P = Pistachio
C = Chocolate
V = Vanilla

3) On Faye's phone $\frac{1}{6}$ of the pictures were selfies. Of the other pictures on her phone $\frac{4}{5}$ were of her cat. If she has 252 pictures on her phone, how many are not of her cat or selfies?



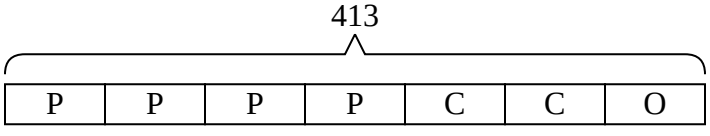
O = Other
S = Selfies
C = Cat

4) A game store had 792 amiibo they were trying to sell. They sold $\frac{6}{8}$ 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?



L = Left
NP = normal
D = Discount

5) A pizzeria owner sold 413 pizzas on Friday. $\frac{4}{7}$ of all the pizzas sold were pepperoni. $\frac{2}{3}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?



O = Other
P = Pepperoni
C = Cheese

Answers

1. 98
2. 70
3. 42
4. 99
5. 59

1-5	80	60	40	20	0