



Solve each problem using a tape diagram.

Answers

- 1) On John's phone he has 609 songs. $\frac{3}{7}$ of the songs are alternative. $\frac{3}{4}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?
- 2) A pizzeria owner sold 581 pizzas on Friday. $\frac{1}{7}$ of all the pizzas sold were pepperoni. $\frac{4}{6}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?
- 3) Janet went shopping on Black Friday. She spent \$552 total. $\frac{1}{6}$ of what she spent was at Best Buy. She spent $\frac{3}{5}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?
- 4) At Lana's Ice Cream Emporium they sold 144 ice cream cones in a day. $\frac{3}{8}$ of them sold were chocolate. $\frac{2}{5}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?
- 5) At the school carnival $\frac{5}{9}$ of the money spent is spent on games. Of what is not spent on games, $\frac{2}{4}$ is spent on food. If \$585 are spent each day at the carnival, how much is not spent on games or food?

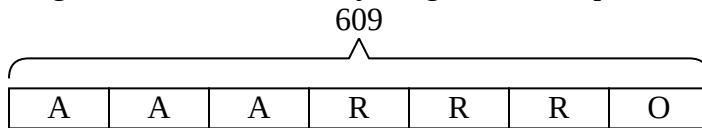
1. _____
2. _____
3. _____
4. _____
5. _____



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Answers

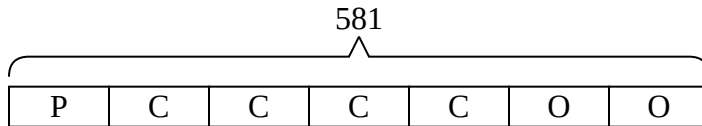
- 1) On John's phone he has 609 songs. $\frac{3}{7}$ of the songs are alternative. $\frac{3}{4}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?



O = Other
A = Alternative
R = Rock

1. **87**

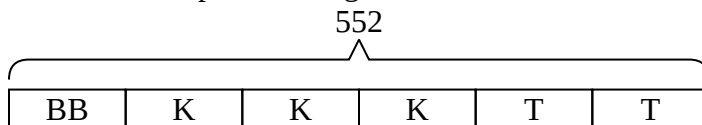
- 2) A pizzeria owner sold 581 pizzas on Friday. $\frac{1}{7}$ of all the pizzas sold were pepperoni. $\frac{4}{6}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?



O = Other
P = Pepperoni
C = Cheese

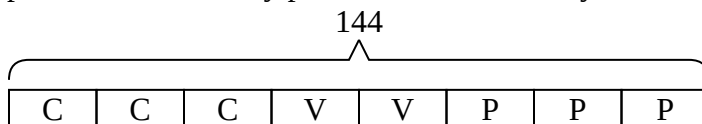
2. **166**3. **184**4. **54**5. **130**

- 3) Janet went shopping on Black Friday. She spent \$552 total. $\frac{1}{6}$ of what she spent was at Best Buy. She spent $\frac{3}{5}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?



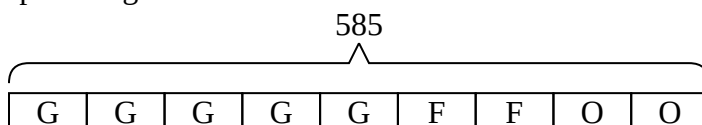
T = Target
BB = Best Buy
K = Kohls

- 4) At Lana's Ice Cream Emporium they sold 144 ice cream cones in a day. $\frac{3}{8}$ of them sold were chocolate. $\frac{2}{5}$ 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

- 5) At the school carnival $\frac{5}{9}$ of the money spent is spent on games. Of what is not spent on games, $\frac{2}{4}$ is spent on food. If \$585 are spent each day at the carnival, how much is not spent on games or food?



O = Other
G = Games
F = Food