



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?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_

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?

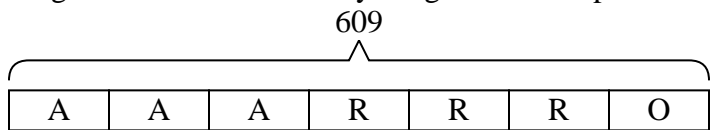
4) At Lana's Ice Cream Emporium they sold 144 ice cream cones in a day.  $\frac{3}{8}$  of them sold were chocolate.  $\frac{2}{5}$  of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

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?



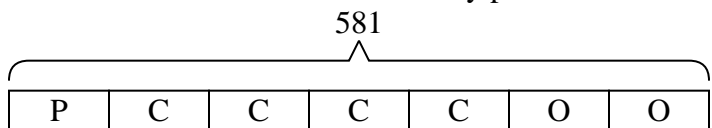
Solve each problem using a tape diagram.

- 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?



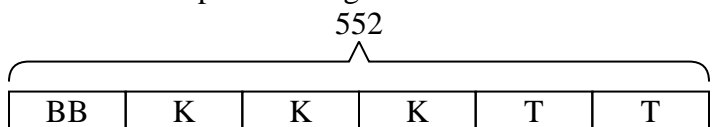
O = Other  
A = Alternative  
R = Rock

- 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?



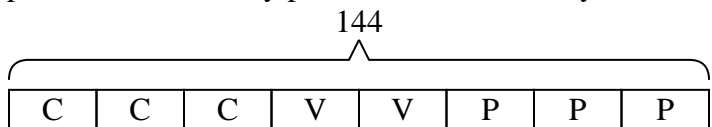
O = Other  
P = Pepperoni  
C = Cheese

- 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?



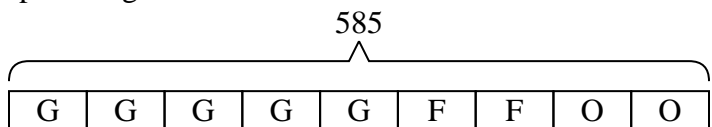
T = Target  
BB = Best Buy  
K = Kohls

- 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

Answers

1. **87**

2. **166**

3. **184**

4. **54**

5. **130**