



Solve each problem using a tape diagram.

Answers

- 1) At the school carnival  $\frac{3}{6}$  of the money spent is spent on games. Of what is not spent on games,  $\frac{1}{3}$  is spent on food. If \$438 are spent each day at the carnival, how much is not spent on games or food?
  
- 2) On Victor's phone he has 672 songs.  $\frac{5}{8}$  of the songs are alternative.  $\frac{1}{3}$  of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?
  
- 3) Janet went shopping on Black Friday. She spent \$140 total.  $\frac{3}{5}$  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) On Debby's phone  $\frac{3}{5}$  of the pictures were selfies. Of the other pictures on her phone  $\frac{1}{2}$  were of her cat. If she has 305 pictures on her phone, how many are not of her cat or selfies?
  
- 5) A pizzeria owner sold 540 pizzas on Friday.  $\frac{2}{9}$  of all the pizzas sold were pepperoni.  $\frac{6}{7}$  of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

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

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

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

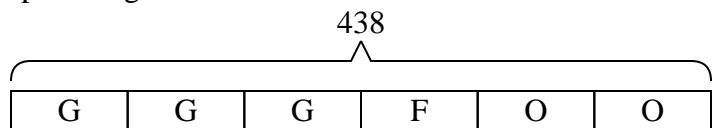
4. \_\_\_\_\_

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



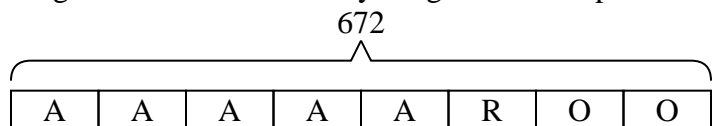
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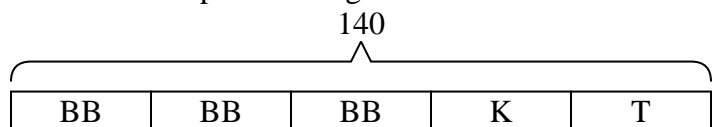
O = Other  
G = Games  
F = Food

- 2) On Victor's phone he has 672 songs.  $\frac{5}{8}$  of the songs are alternative.  $\frac{1}{3}$  of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?



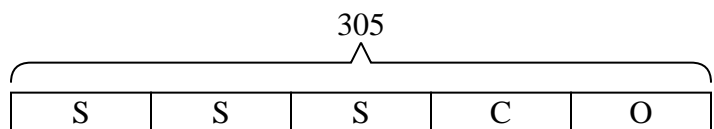
O = Other  
A = Alternative  
R = Rock

- 3) Janet went shopping on Black Friday. She spent \$140 total.  $\frac{3}{5}$  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?



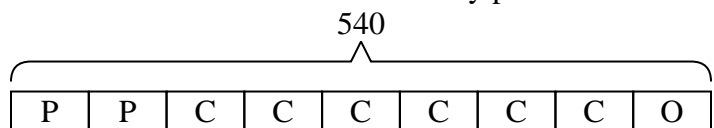
T = Target  
BB = Best Buy  
K = Kohls

- 4) On Debby's phone  $\frac{3}{5}$  of the pictures were selfies. Of the other pictures on her phone  $\frac{1}{2}$  were of her cat. If she has 305 pictures on her phone, how many are not of her cat or selfies?



O = Other  
S = Selfies  
C = Cat

- 5) A pizzeria owner sold 540 pizzas on Friday.  $\frac{2}{9}$  of all the pizzas sold were pepperoni.  $\frac{6}{7}$  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. **146**  
2. **168**  
3. **28**  
4. **61**  
5. **60**