



Solve each problem using a tape diagram.

Answers

1) Vanessa went shopping on Black Friday. She spent \$882 total.  $\frac{4}{9}$  of what she spent was at Best Buy. She spent  $\frac{1}{5}$  of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

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

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

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

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

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

2) At Tiffany's Ice Cream Emporium they sold 408 ice cream cones in a day.  $\frac{4}{8}$  of them sold were chocolate.  $\frac{1}{4}$  of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

3) On Victor's phone he has 592 songs.  $\frac{6}{8}$  of the songs are alternative.  $\frac{1}{2}$  of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

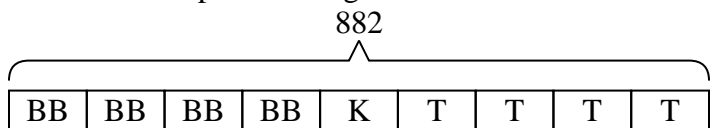
4) A store started with 870 sodas. They sold  $\frac{7}{10}$  of them over the next month and they had to throw out  $\frac{1}{3}$  of the ones that were left because they were expired. How many sodas did they have at the end?

5) At the school carnival  $\frac{3}{8}$  of the money spent is spent on games. Of what is not spent on games,  $\frac{2}{5}$  is spent on food. If \$600 are spent each day at the carnival, how much is not spent on games or food?



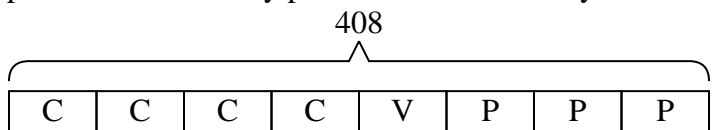
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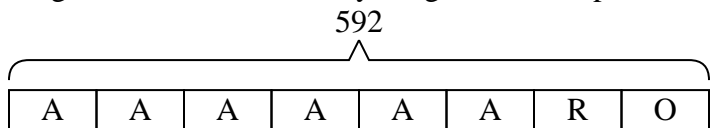
T = Target  
BB = Best Buy  
K = Kohls

- 2) At Tiffany's Ice Cream Emporium they sold 408 ice cream cones in a day.  $\frac{4}{8}$  of them sold were chocolate.  $\frac{1}{4}$  of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?



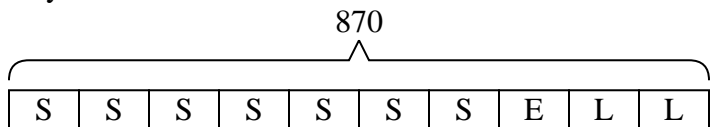
P = Pistachio  
C = Chocolate  
V = Vanilla

- 3) On Victor's phone he has 592 songs.  $\frac{6}{8}$  of the songs are alternative.  $\frac{1}{2}$  of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?



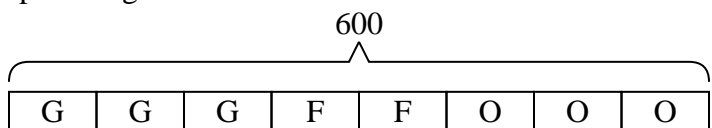
O = Other  
A = Alternative  
R = Rock

- 4) A store started with 870 sodas. They sold  $\frac{7}{10}$  of them over the next month and they had to throw out  $\frac{1}{3}$  of the ones that were left because they were expired. How many sodas did they have at the end?



L = Left  
S = Sold  
E = Expired

- 5) At the school carnival  $\frac{3}{8}$  of the money spent is spent on games. Of what is not spent on games,  $\frac{2}{5}$  is spent on food. If \$600 are spent each day at the carnival, how much is not spent on games or food?



O = Other  
G = Games  
F = Food

Answers

1. **392**  
2. **153**  
3. **74**  
4. **174**  
5. **225**