



Solve each problem using a tape diagram.

Answers

- 1) On Tom's phone he has 665 songs. $\frac{4}{7}$ 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?
- 2) A store started with 300 sodas. They sold $\frac{7}{10}$ of them over the next month and they had to throw out $\frac{2}{3}$ of the ones that were left because they were expired. How many sodas did they have at the end?
- 3) At Carol's Ice Cream Emporium they sold 138 ice cream cones in a day. $\frac{4}{6}$ 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?
- 4) Olivia went shopping on Black Friday. She spent \$522 total. $\frac{1}{6}$ of what she spent was at Best Buy. She spent $\frac{4}{5}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?
- 5) A game store had 117 amiibo they were trying to sell. They sold $\frac{1}{9}$ at normal price. Then they sold $\frac{3}{8}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

1. _____

2. _____

3. _____

4. _____

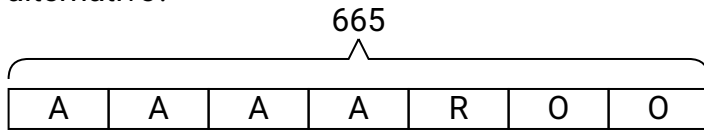
5. _____



Solve each problem using a tape diagram.

Answers

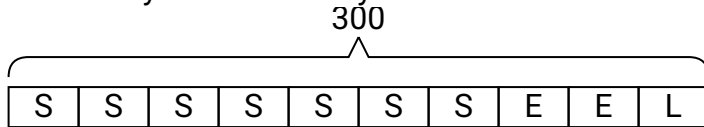
- 1) On Tom's phone he has 665 songs. $\frac{4}{7}$ of the songs are alternative. $\frac{1}{3}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?



O = Other
A = Alternative
R = Rock

1. **190**

- 2) A store started with 300 sodas. They sold $\frac{7}{10}$ of them over the next month and they had to throw out $\frac{2}{3}$ 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

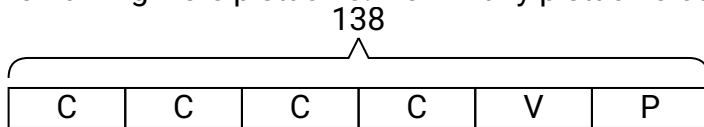
2. **30**

3. **23**

4. **87**

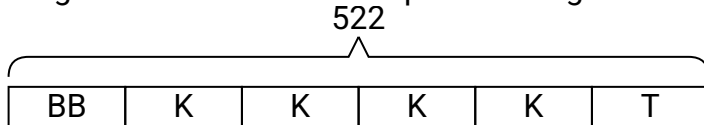
5. **65**

- 3) At Carol's Ice Cream Emporium they sold 138 ice cream cones in a day. $\frac{4}{6}$ 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?



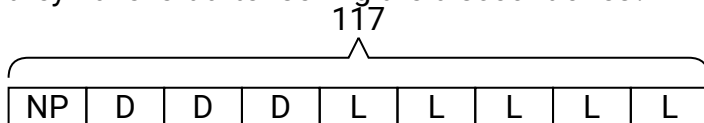
P = Pistachio
C = Chocolate
V = Vanilla

- 4) Olivia went shopping on Black Friday. She spent \$522 total. $\frac{1}{6}$ of what she spent was at Best Buy. She spent $\frac{4}{5}$ 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

- 5) A game store had 117 amiibo they were trying to sell. They sold $\frac{1}{9}$ at normal price. Then they sold $\frac{3}{8}$ 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