



Fractions With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

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?

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

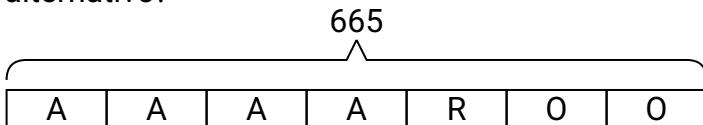


Fractions With Tape Diagram

Name: **Answer Key**

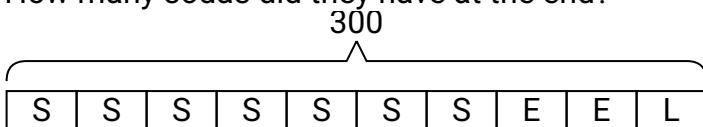
Solve each problem using a tape diagram.

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?



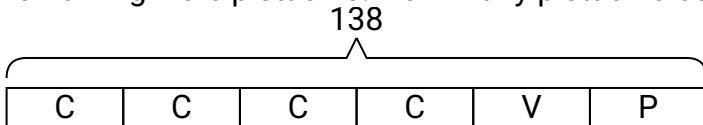
O = Other
A = Alternative
R = Rock

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?



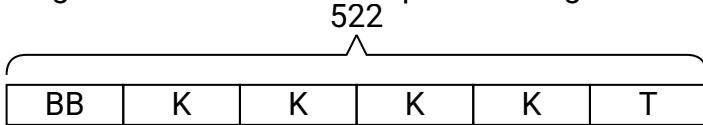
L = Left
S = Sold
E = Expired

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?



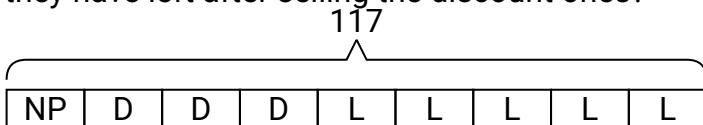
P = Pistachio
C = Chocolate
V = Vanilla

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

Answers

1. **190**

2. **30**

3. **23**

4. **87**

5. **65**