Solve each problem using a tape diagram.

1) At Gwen's Ice Cream Emporium they sold 110 ice cream cones in a day. \( \frac{5}{10} \) of them sold were chocolate. \( \frac{3}{5} \) of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

2) A store started with 837 sodas. They sold \( \frac{2}{9} \) of them over the next month and they had to throw out \( \frac{3}{7} \) of the ones that were left because they were expired. How many sodas did they have at the end?

3) On Adam's phone he has 392 songs. \( \frac{1}{8} \) of the songs are alternative. \( \frac{4}{7} \) of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

4) A game store had 378 amiibo they were trying to sell. They sold \( \frac{5}{7} \) at normal price. Then they sold \( \frac{1}{2} \) of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

5) A pizzeria owner sold 310 pizzas on Friday. \( \frac{2}{5} \) of all the pizzas sold were pepperoni. \( \frac{2}{3} \) of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?
1) At Gwen's Ice Cream Emporium they sold 110 ice cream cones in a day. \(\frac{5}{10}\) of them sold were chocolate. \(\frac{3}{5}\) of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

\[
\begin{array}{ccccccccc}
C & C & C & C & V & V & V & P & P \\
\end{array}
\]

P = Pistachio  
C = Chocolate  
V = Vanilla

2) A store started with 837 sodas. They sold \(\frac{2}{9}\) of them over the next month and they had to throw out \(\frac{3}{7}\) of the ones that were left because they were expired. How many sodas did they have at the end?

\[
\begin{array}{cccccccc}
S & S & E & E & E & L & L & L \\
\end{array}
\]

L = Left  
S = Sold  
E = Expired

3) On Adam's phone he has 392 songs. \(\frac{1}{8}\) of the songs are alternative. \(\frac{4}{7}\) of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

\[
\begin{array}{cccccccc}
A & R & R & R & R & O & O & O \\
\end{array}
\]

O = Other  
A = Alternative  
R = Rock

4) A game store had 378 amiibo they were trying to sell. They sold \(\frac{5}{7}\) at normal price. Then they sold \(\frac{1}{2}\) of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

\[
\begin{array}{ccccccccc}
NP & NP & NP & NP & NP & D & L \\
\end{array}
\]

L = Left  
NP = normal  
D = Discount

5) A pizzeria owner sold 310 pizzas on Friday. \(\frac{2}{5}\) of all the pizzas sold were pepperoni. \(\frac{2}{3}\) of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

\[
\begin{array}{cccccc}
P & P & C & C & O \\
\end{array}
\]

O = Other  
P = Pepperoni  
C = Cheese