Solve each problem using a tape diagram.

1) Gwen went shopping on Black Friday. She spent $264 total. $\frac{2}{6}$ of what she spent was at Best Buy. She spent $\frac{2}{4}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

2) On John's phone he has 744 songs. $\frac{5}{8}$ of the songs are alternative. $\frac{2}{3}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

3) A pizzeria owner sold 387 pizzas on Friday. $\frac{3}{9}$ of all the pizzas sold were pepperoni. $\frac{1}{6}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

4) At Rachel's Ice Cream Emporium they sold 354 ice cream cones in a day. $\frac{1}{6}$ of them sold were chocolate. $\frac{4}{5}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

5) At the school carnival $\frac{5}{7}$ of the money spent is spent on games. Of what is not spent on games, $\frac{1}{2}$ is spent on food. If $581$ are spent each day at the carnival, how much is not spent on games or food?
1) Gwen went shopping on Black Friday. She spent $264 total. \( \frac{2}{6} \) of what she spent was at Best Buy. She spent \( \frac{2}{4} \) of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

\[
\begin{align*}
&\text{BB} &\text{BB} &\text{K} &\text{K} &\text{T} &\text{T} \\
&264 &\text{T} &= \text{Target} \\
&\text{BB} &= \text{Best Buy} \\
&\text{K} &= \text{Kohls}
\end{align*}
\]

2) On John’s phone he has 744 songs. \( \frac{5}{8} \) of the songs are alternative. \( \frac{2}{3} \) of the rest of the songs were rock. How many songs are on his phone that aren’t rock or alternative?

\[
\begin{align*}
&\text{A} &\text{A} &\text{A} &\text{A} &\text{A} &\text{R} &\text{R} &\text{O} \\
&744 &\text{O} &= \text{Other} \\
&\text{A} &= \text{Alternative} \\
&\text{R} &= \text{Rock}
\end{align*}
\]

3) A pizzeria owner sold 387 pizzas on Friday. \( \frac{3}{9} \) of all the pizzas sold were pepperoni. \( \frac{1}{6} \) of the rest sold were cheese. How many pizzas did he sell that weren’t pepperoni or cheese?

\[
\begin{align*}
&P &\text{P} &\text{P} &\text{C} &\text{O} &\text{O} &\text{O} &\text{O} &\text{O} \\
&387 &\text{O} &= \text{Other} \\
&P &= \text{Pepperoni} \\
&C &= \text{Cheese}
\end{align*}
\]

4) At Rachel’s Ice Cream Emporium they sold 354 ice cream cones in a day. \( \frac{1}{6} \) of them sold were chocolate. \( \frac{4}{5} \) of the ones that weren’t chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

\[
\begin{align*}
&C &\text{V} &\text{V} &\text{V} &\text{V} &\text{V} &\text{P} \\
&354 &\text{P} &= \text{Pistachio} \\
&C &= \text{Chocolate} \\
&V &= \text{Vanilla}
\end{align*}
\]

5) At the school carnival \( \frac{5}{7} \) of the money spent is spent on games. Of what is not spent on games, \( \frac{1}{2} \) is spent on food. If $581 are spent each day at the carnival, how much is not spent on games or food?

\[
\begin{align*}
&G &G &G &G &G &F &O \\
&581 &\text{O} &= \text{Other} \\
&G &= \text{Games} \\
&F &= \text{Food}
\end{align*}
\]