1) Gwen went shopping on Black Friday. She spent $666 total. $6/9$ of what she spent was at Best Buy. She spent $1/3$ 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 160 songs. $1/10$ of the songs are alternative. $2/9$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

3) At the school carnival $5/8$ of the money spent is spent on games. Of what is not spent on games, $2/3$ is spent on food. If $432$ are spent each day at the carnival, how much is not spent on games or food?

4) A pizzeria owner sold 372 pizzas on Friday. $4/6$ of all the pizzas sold were pepperoni. $1/2$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

5) On Lana's phone $5/8$ of the pictures were selfies. Of the other pictures on her phone $2/3$ were of her cat. If she has 376 pictures on her phone, how many are not of her cat or selfies?
**Fractions With Tape Diagram**

**Solve each problem using a tape diagram.**

1) Gwen went shopping on Black Friday. She spent $666 total. \( \frac{6}{9} \) of what she spent was at Best Buy. She spent \( \frac{1}{3} \) of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

\[
\begin{array}{ccccccc}
\text{BB} & \text{BB} & \text{BB} & \text{BB} & \text{BB} & \text{BB} & \text{T} & \text{T} \\
\end{array}
\]

- T = Target
- BB = Best Buy
- K = Kohls

\[\text{BB} \text{ BB} \text{ BB} \text{ BB} \text{ BB} \text{ BB} \text{ K} \text{ T} \text{ T}\]

2) On John's phone he has 160 songs. \( \frac{1}{10} \) of the songs are alternative. \( \frac{2}{9} \) of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

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

- O = Other
- A = Alternative
- R = Rock

3) At the school carnival \( \frac{5}{8} \) of the money spent is spent on games. Of what is not spent on games, \( \frac{2}{3} \) is spent on food. If $432 are spent each day at the carnival, how much is not spent on games or food?

\[
\begin{array}{cccccccc}
\text{G} & \text{G} & \text{G} & \text{G} & \text{G} & \text{F} & \text{F} & \text{O} \\
\end{array}
\]

- O = Other
- G = Games
- F = Food

4) A pizzeria owner sold 372 pizzas on Friday. \( \frac{4}{6} \) of all the pizzas sold were pepperoni. \( \frac{1}{2} \) of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

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

- O = Other
- P = Pepperoni
- C = Cheese

5) On Lana's phone \( \frac{5}{8} \) of the pictures were selfies. Of the other pictures on her phone \( \frac{2}{3} \) were of her cat. If she has 376 pictures on her phone, how many are not of her cat or selfies?

\[
\begin{array}{ccccccc}
\text{S} & \text{S} & \text{S} & \text{S} & \text{S} & \text{C} & \text{C} & \text{O} \\
\end{array}
\]

- O = Other
- S = Selfies
- C = Cat

**Answers**

1. 148
2. 112
3. 54
4. 62
5. 47