Fractions With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

1) Nancy went shopping on Black Friday. She spent $360 total. $^4/_6$ of what she spent was at Best Buy. She spent $^1/_2$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

2) A pizzeria owner sold 370 pizzas on Friday. $^1/_5$ of all the pizzas sold were pepperoni. $^1/_4$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

3) A store started with 455 sodas. They sold $^2/_7$ of them over the next month and they had to throw out $^1/_5$ of the ones that were left because they were expired. How many sodas did they have at the end?

4) At Isabel's Ice Cream Emporium they sold 890 ice cream cones in a day. $^7/_{10}$ of them sold were chocolate. $^1/_3$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

5) On Kaleb's phone he has 60 songs. $^2/_5$ of the songs are alternative. $^1/_3$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?
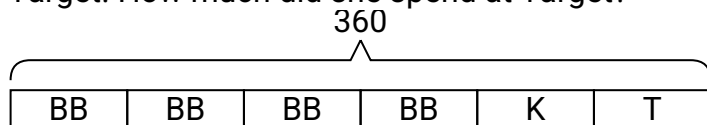
1. _____

2. _____

3. _____

4. _____

5. _____

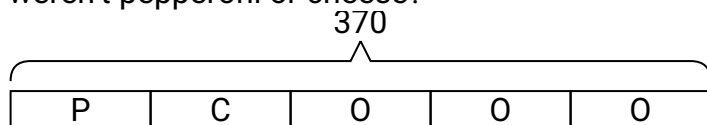Name: **Answer Key**

Solve each problem using a tape diagram.

Answers

1) Nancy went shopping on Black Friday. She spent $360 total. $4/6$ of what she spent was at Best Buy. She spent $1/2$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?
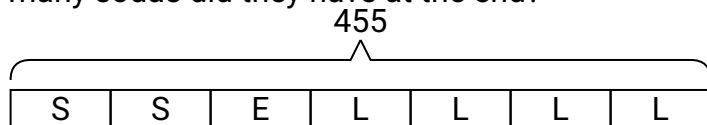
360

| BB | BB | BB | BB | K | T |

T = Target
BB = Best Buy
K = Kohls

2) A pizzeria owner sold 370 pizzas on Friday. $1/5$ of all the pizzas sold were pepperoni. $1/4$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

370

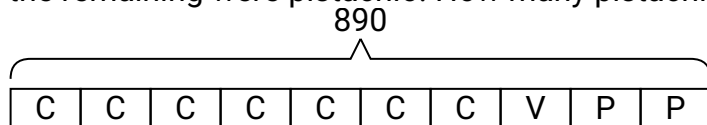| P | C | O | O | O |

O = Other
P = Pepperoni
C = Cheese

3) A store started with 455 sodas. They sold $2/7$ of them over the next month and they had to throw out $1/5$ of the ones that were left because they were expired. How many sodas did they have at the end?
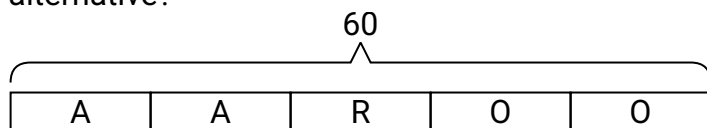
455

| S | S | E | L | L | L | L |

L = Left
S = Sold
E = Expired

4) At Isabel's Ice Cream Emporium they sold 890 ice cream cones in a day. $7/10$ of them sold were chocolate. $1/3$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

890

| C | C | C | C | C | C | C | V | P | P |

P = Pistachio
C = Chocolate
V = Vanilla

5) On Kaleb's phone he has 60 songs. $2/5$ of the songs are alternative. $1/3$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

60

| A | A | R | O | O |

O = Other
A = Alternative
R = Rock

1. **60**

2. **222**

3. **260**

4. **178**

5. **24**