Solve each problem using a tape diagram.

1) On Janet's phone $^4/_{10}$ of the pictures were selfies. Of the other pictures on her phone $^4/_6$ were of her cat. If she has 890 pictures on her phone, how many are not of her cat or selfies?

1. _____

2. _____

3. _____

4. _____

2) Rachel went shopping on Black Friday. She spent $160 total. $^1/_{10}$ of what she spent was at Best Buy. She spent $^4/_9$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?

5. _____

3) A pizzeria owner sold 380 pizzas on Friday. $^7/_{10}$ of all the pizzas sold were pepperoni. $^1/_3$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

4) At the school carnival $^3/_{10}$ of the money spent is spent on games. Of what is not spent on games, $^2/_7$ is spent on food. If $900 are spent each day at the carnival, how much is not spent on games or food?

5) A game store had 220 amiibo they were trying to sell. They sold $^5/_{10}$ at normal price. Then they sold $^1/_5$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

Answer Key

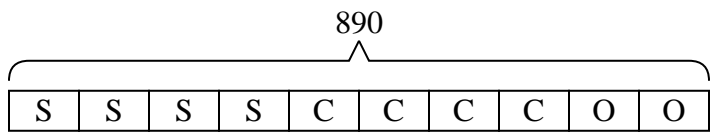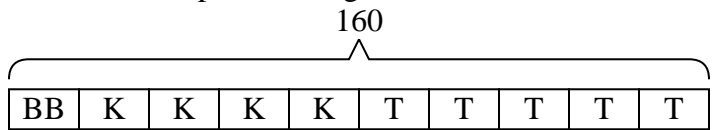**Solve each problem using a tape diagram.**

1) On Janet's phone $\frac{4}{10}$ of the pictures were selfies. Of the other pictures on her phone $\frac{4}{6}$ were of her cat. If she has 890 pictures on her phone, how many are not of her cat or selfies?
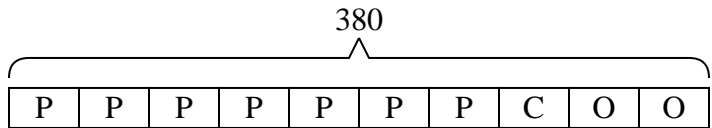
890

S	S	S	S	C	C	C	C	O	O

O = Other
S = Selfies
C = Cat

1. _____ **178**

2. _____ **80**

2) Rachel went shopping on Black Friday. She spent $160 total. $\frac{1}{10}$ of what she spent was at Best Buy. She spent $\frac{4}{9}$ of what was left at Kohls and the rest she spent at Target. How much did she spend at Target?
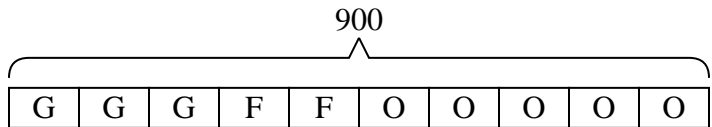
160

BB	K	K	K	K	T	T	T	T	T

T = Target
BB = Best Buy
K = Kohls

3. _____ **76**

4. _____ **450**

5. _____ **88**

3) A pizzeria owner sold 380 pizzas on Friday. $\frac{7}{10}$ of all the pizzas sold were pepperoni. $\frac{1}{3}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?
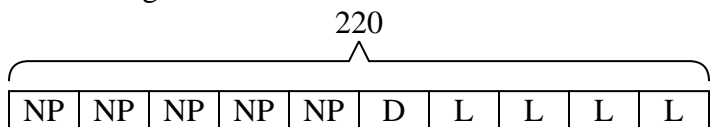
380

P	P	P	P	P	P	P	C	O	O

O = Other
P = Pepperoni
C = Cheese

4) At the school carnival $\frac{3}{10}$ of the money spent is spent on games. Of what is not spent on games, $\frac{2}{7}$ is spent on food. If $900 are spent each day at the carnival, how much is not spent on games or food?

900

G	G	G	F	F	O	O	O	O	O

O = Other
G = Games
F = Food

5) A game store had 220 amiibo they were trying to sell. They sold $\frac{5}{10}$ at normal price. Then they sold $\frac{1}{5}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

220

NP	NP	NP	NP	NP	D	L	L	L	L

L = Left
NP = normal
D = Discount

Math   www.CommonCoreSheets.com

8