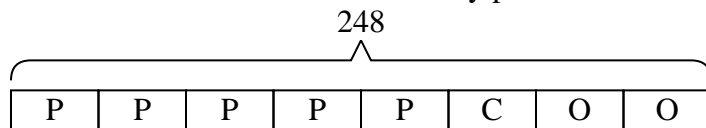Name:

Solve each problem using a tape diagram.

1) A pizzeria owner sold 248 pizzas on Friday. $\frac{5}{8}$ 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?

1. _____

2. _____

3. _____

4. _____

2) A store started with 154 sodas. They sold $\frac{1}{7}$ of them over the next month and they had to throw out $\frac{5}{6}$ of the ones that were left because they were expired. How many sodas did they have at the end?

5. _____

3) Vanessa went shopping on Black Friday. She spent $215 total. $\frac{1}{5}$ 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?

4) On George's phone he has 784 songs. $\frac{3}{8}$ of the songs are alternative. $\frac{4}{5}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

5) A game store had 184 amiibo they were trying to sell. They sold $\frac{5}{8}$ at normal price. Then they sold $\frac{2}{3}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?
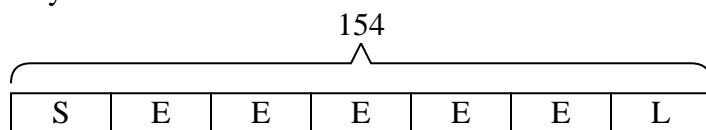
Name: **Answer Key**

Solve each problem using a tape diagram.

Answers

1) A pizzeria owner sold 248 pizzas on Friday. $\frac{5}{8}$ 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?
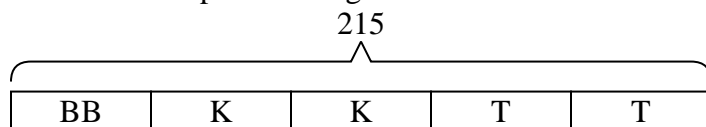
248

P	P	P	P	P	C	O	O

O = Other
P = Pepperoni
C = Cheese

1. **62**

2) A store started with 154 sodas. They sold $\frac{1}{7}$ of them over the next month and they had to throw out $\frac{5}{6}$ of the ones that were left because they were expired. How many sodas did they have at the end?
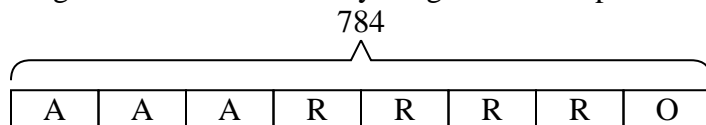
154

S	E	E	E	E	E	L

L = Left
S = Sold
E = Expired

2. **22**

3. **86**

3) Vanessa went shopping on Black Friday. She spent $215 total. $\frac{1}{5}$ 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?
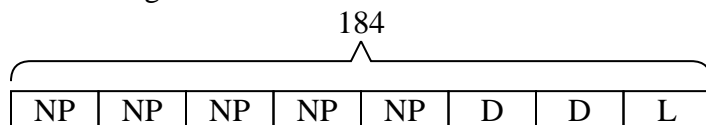
215

BB	K	K	T	T

T = Target
BB = Best Buy
K = Kohls

4. **98**

5. **23**

4) On George's phone he has 784 songs. $\frac{3}{8}$ of the songs are alternative. $\frac{4}{5}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

784

A	A	A	R	R	R	R	O

O = Other
A = Alternative
R = Rock

5) A game store had 184 amiibo they were trying to sell. They sold $\frac{5}{8}$ at normal price. Then they sold $\frac{2}{3}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

184

NP	NP	NP	NP	NP	D	D	L

L = Left
NP = normal
D = Discount

1-5 | 80 | 60 | 40 | 20 | 0