Fractions With Tape Diagram

Name: _____

Solve each problem using a tape diagram.

1) On Katie's phone $\frac{5}{10}$ of the pictures were selfies. Of the other pictures on her phone $\frac{1}{5}$ were of her cat. If she has 420 pictures on her phone, how many are not of her cat or selfies?

1. _____

2. _____

3. _____

4. _____

2) A pizzeria owner sold 320 pizzas on Friday. $\frac{6}{8}$ 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?

5. _____

3) On George's phone he has 820 songs. $\frac{5}{10}$ 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?

4) At Olivia's Ice Cream Emporium they sold 252 ice cream cones in a day. $\frac{6}{9}$ of them sold were chocolate. $\frac{1}{3}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

5) A store started with 318 sodas. They sold $\frac{2}{6}$ of them over the next month and they had to throw out $\frac{1}{4}$ of the ones that were left because they were expired. How many sodas did they have at the end?

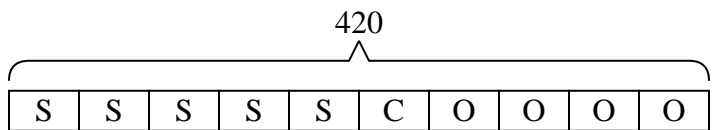**Math**

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

Name: **Answer Key**

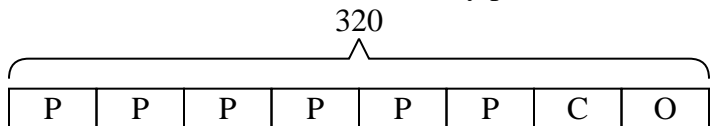**Solve each problem using a tape diagram.**

Answers

1) On Katie's phone $\frac{5}{10}$ of the pictures were selfies. Of the other pictures on her phone $\frac{1}{5}$ were of her cat. If she has 420 pictures on her phone, how many are not of her cat or selfies?

420

| S | S | S | S | S | C | O | O | O | O |

O = Other
S = Selfies
C = Cat

1. **168**
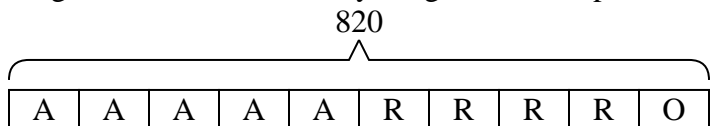
2. **40**

3. **82**

4. **56**

5. **159**

2) A pizzeria owner sold 320 pizzas on Friday. $\frac{6}{8}$ 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?
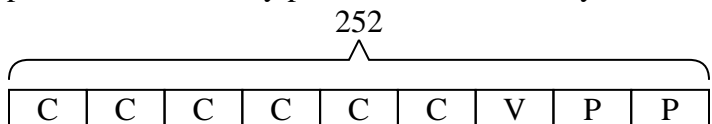
320

| P | P | P | P | P | P | C | O |

O = Other
P = Pepperoni
C = Cheese

3) On George's phone he has 820 songs. $\frac{5}{10}$ 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?
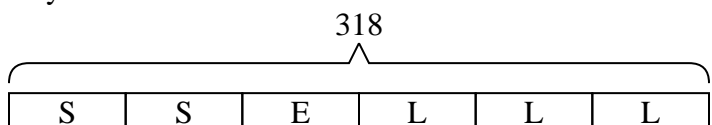
820

| A | A | A | A | A | R | R | R | R | O |

O = Other
A = Alternative
R = Rock

4) At Olivia's Ice Cream Emporium they sold 252 ice cream cones in a day. $\frac{6}{9}$ of them sold were chocolate. $\frac{1}{3}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

252

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

P = Pistachio
C = Chocolate
V = Vanilla

5) A store started with 318 sodas. They sold $\frac{2}{6}$ of them over the next month and they had to throw out $\frac{1}{4}$ of the ones that were left because they were expired. How many sodas did they have at the end?

318

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

L = Left
S = Sold
E = Expired

Math

www.CommonCoreSheets.com