# Fractions With Tape Diagram

Name:

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

**1)** At Carol's Ice Cream Emporium they sold 504 ice cream cones in a day. $\frac{7}{9}$ of them sold were chocolate. $\frac{1}{2}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

1. _____

2. _____

3. _____

4. _____

**2)** On Bianca's phone $\frac{7}{9}$ of the pictures were selfies. Of the other pictures on her phone $\frac{1}{2}$ were of her cat. If she has 315 pictures on her phone, how many are not of her cat or selfies?

5. _____

**3)** A pizzeria owner sold 78 pizzas on Friday. $\frac{2}{6}$ of all the pizzas sold were pepperoni. $\frac{2}{4}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?

**4)** A game store had 414 amiibo they were trying to sell. They sold $\frac{3}{9}$ at normal price. Then they sold $\frac{3}{6}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

**5)** On Tom's phone he has 270 songs. $\frac{8}{10}$ of the songs are alternative. $\frac{1}{2}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?
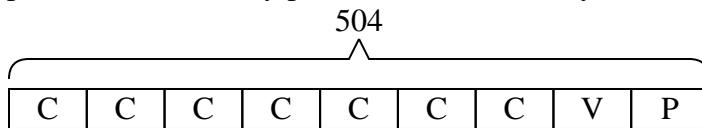
**Math**

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1-5 | 80 | 60 | 40 | 20 | 0
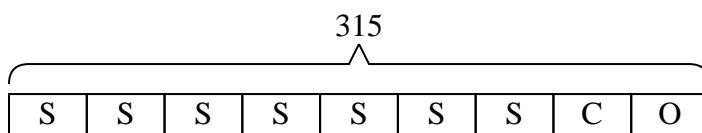
**Solve each problem using a tape diagram.**

**1)** At Carol's Ice Cream Emporium they sold 504 ice cream cones in a day. $\frac{7}{9}$ of them sold were chocolate. $\frac{1}{2}$ of the ones that weren't chocolate were vanilla. And the remaining were pistachio. How many pistachio cones did they sell?

```
                    504
┌─────────────────────────────────────┐
│ C │ C │ C │ C │ C │ C │ C │ V │ P │
└─────────────────────────────────────┘
```

P = Pistachio
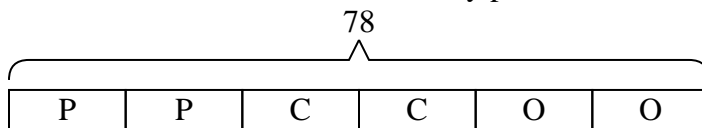C = Chocolate
V = Vanilla

1. __**56**__

2. __**35**__

3. __**26**__

4. __**138**__

5. __**27**__

**2)** On Bianca's phone $\frac{7}{9}$ of the pictures were selfies. Of the other pictures on her phone $\frac{1}{2}$ were of her cat. If she has 315 pictures on her phone, how many are not of her cat or selfies?
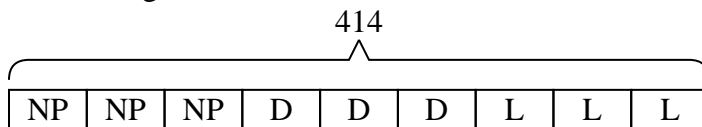
```
                    315
┌─────────────────────────────────────┐
│ S │ S │ S │ S │ S │ S │ S │ C │ O │
└─────────────────────────────────────┘
```

O = Other
S = Selfies
C = Cat

**3)** A pizzeria owner sold 78 pizzas on Friday. $\frac{2}{6}$ of all the pizzas sold were pepperoni. $\frac{2}{4}$ of the rest sold were cheese. How many pizzas did he sell that weren't pepperoni or cheese?
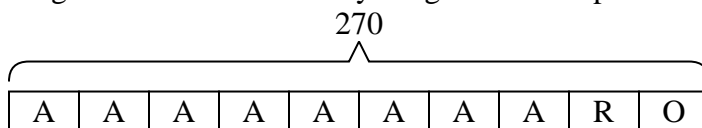
```
                 78
┌───────────────────────────────┐
│  P  │  P  │  C  │  C  │  O  │  O  │
└───────────────────────────────┘
```

O = Other
P = Pepperoni
C = Cheese

**4)** A game store had 414 amiibo they were trying to sell. They sold $\frac{3}{9}$ at normal price. Then they sold $\frac{3}{6}$ of the ones that were left at a discount. How many amiibo did they have left after selling the discount ones?

```
                    414
┌─────────────────────────────────────┐
│ NP │ NP │ NP │ D │ D │ D │ L │ L │ L │
└─────────────────────────────────────┘
```

L = Left
NP = normal
D = Discount

**5)** On Tom's phone he has 270 songs. $\frac{8}{10}$ of the songs are alternative. $\frac{1}{2}$ of the rest of the songs were rock. How many songs are on his phone that aren't rock or alternative?

```
                    270
┌─────────────────────────────────────┐
│ A │ A │ A │ A │ A │ A │ A │ A │ R │ O │
└─────────────────────────────────────┘
```

O = Other
A = Alternative
R = Rock

**Math**

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