# DIGGING INTO COLLECTIONS

# HI. ARRAYS

| | |
|---|---|
| 0 | Florida |
| 1 | California |
| 2 | Ohio |
| 3 | North Carolina |
| 4 | Colorado |
| 5 | Nevada |
| 6 | New York |

| | |
|---|---|
| 0 | 45 |
| 1 | 66 |
| 2 | 23 |
| 3 | 10 |
| 4 | 88 |

| | |
|---|---|
| 0 | Florida |
| 1 | California |
| 2 | 32 |
| 3 | New York |
| 4 | 99 |
| 5 | true |
| 6 | 9.0 |
| | |

| | |
|---|---|
| 0 | Florida |
| 1 | California |
| 2 | 32 |
| 3 | New York |
| 4 | 99 |
| 5 | true |
| 6 | 9.0 |
| | |

# CREATING AN EMPTY ARRAY

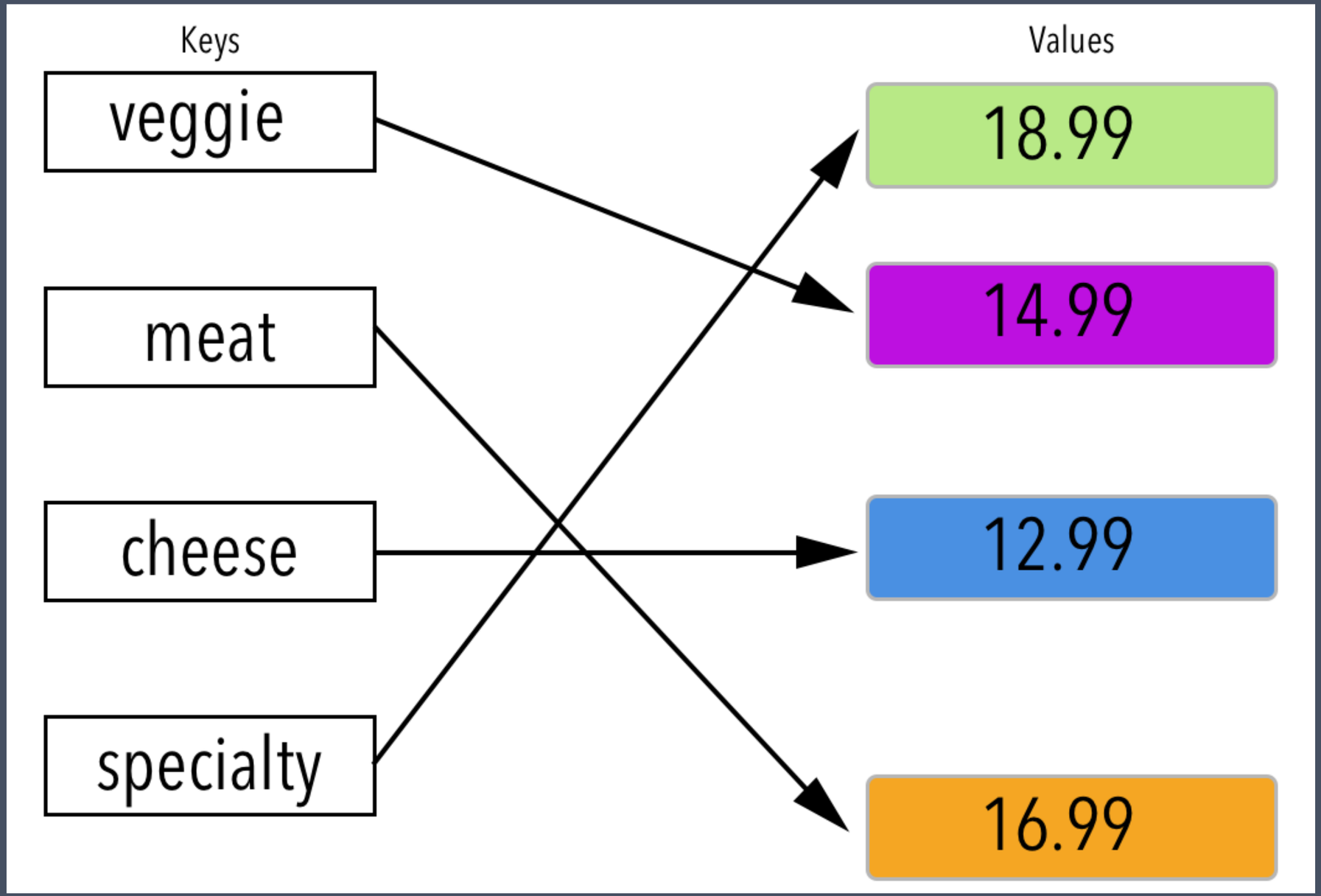
```
let integers:[Int] = []
let strings = [String]()
```

# CREATING AN ARRAY WITH INITIAL VALUES

```
let integers2 = [54, 29]
```

# PLAYGROUND TIME

# HI. DICTIONARIES


Keys
Values
veggie
meat
cheese
specialty
18.99
14.99
12.99
16.99

# CREATING AN EMPTY DICTIONARY

```
let dictFirstExample = Dictionary<String, String>()
let dictSecondExample = [String: Int]()
```

# CREATING A DICTIONARY WITH INITIAL VALUES

```
var dictThirdExample = Dictionary<String, Double>
(dictionaryLiteral: ("veggie", 14.99), ("meat", 16.99))

var dictPizzas = ["veggie": 14.99]
```

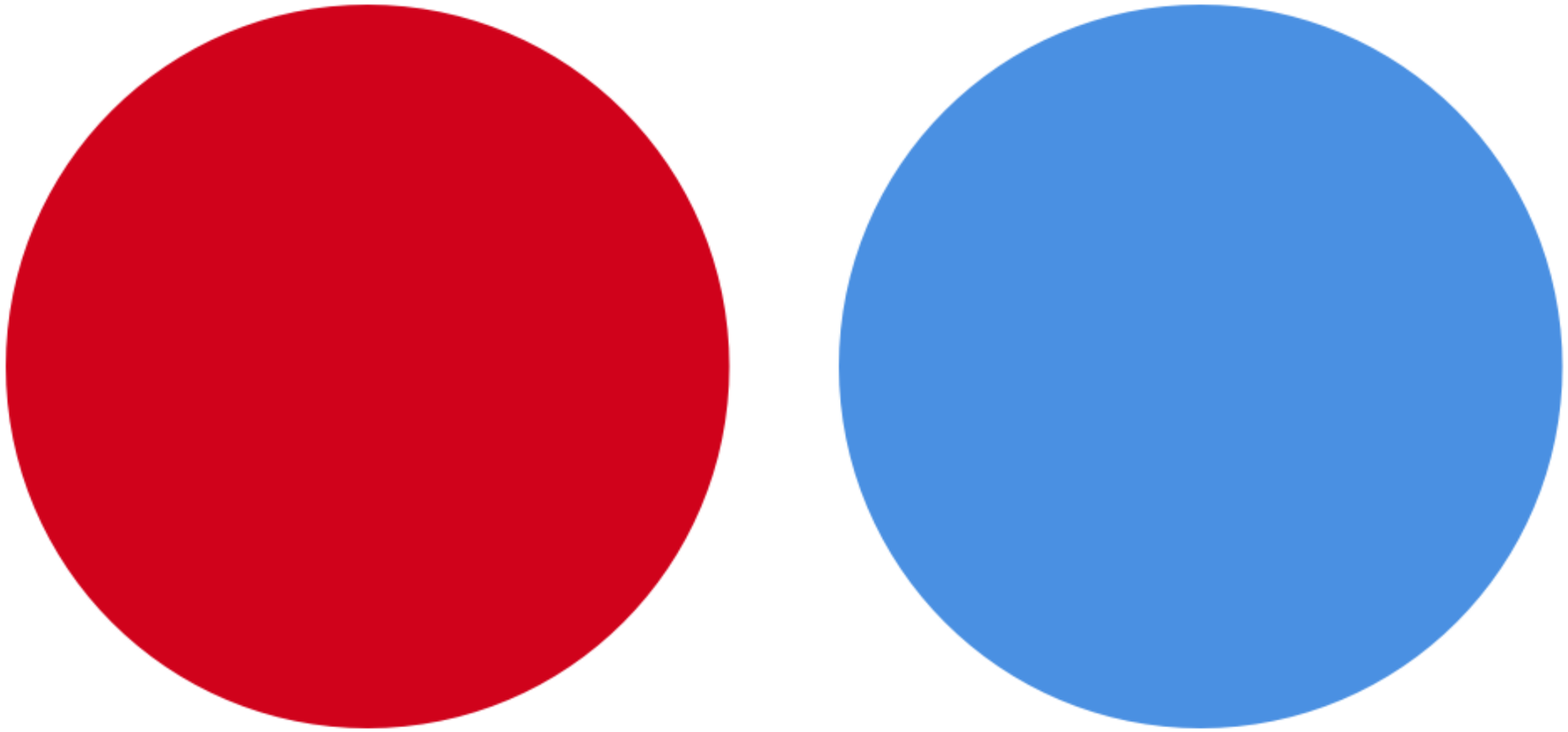
# PLAYGROUND TIME

# HI. SETS

# 2 SETS

Craig's Favorite Movies

Gabe's Favorite Movies



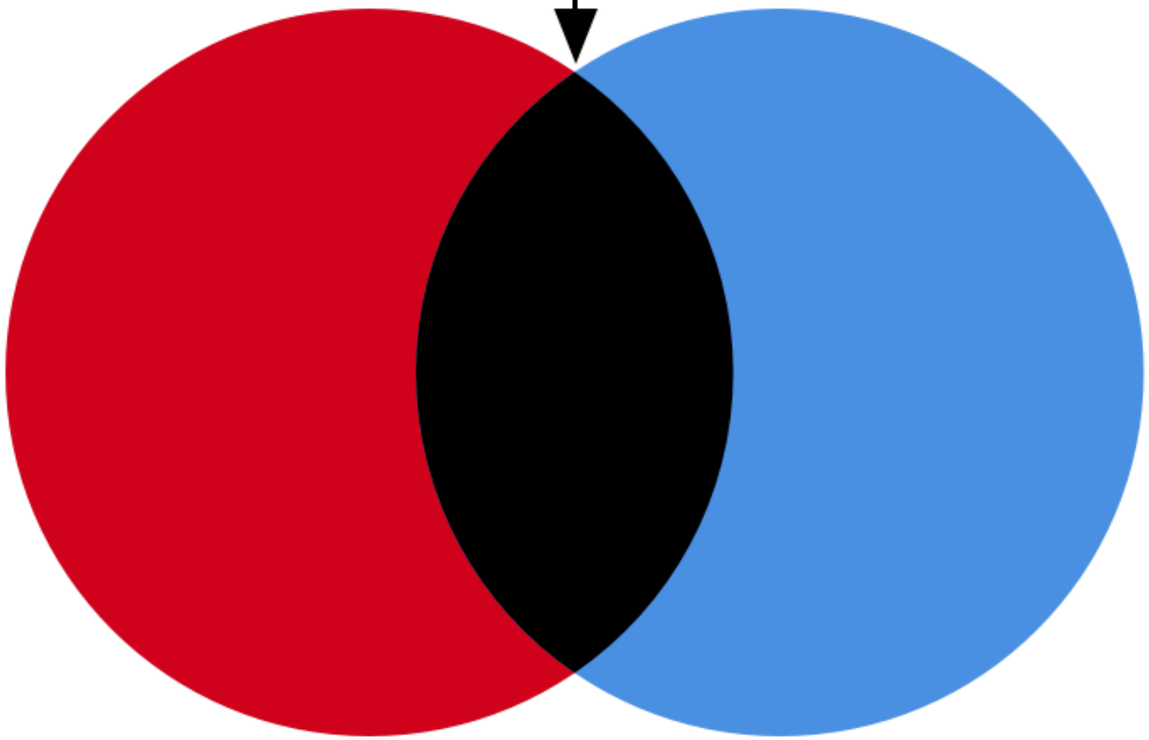
# CREATING AN EMPTY SET

```
let movieSet = Set<String>()
let numberSet = Set<Int>([])
```

# PLAYGROUND TIME

# INTERSECTION

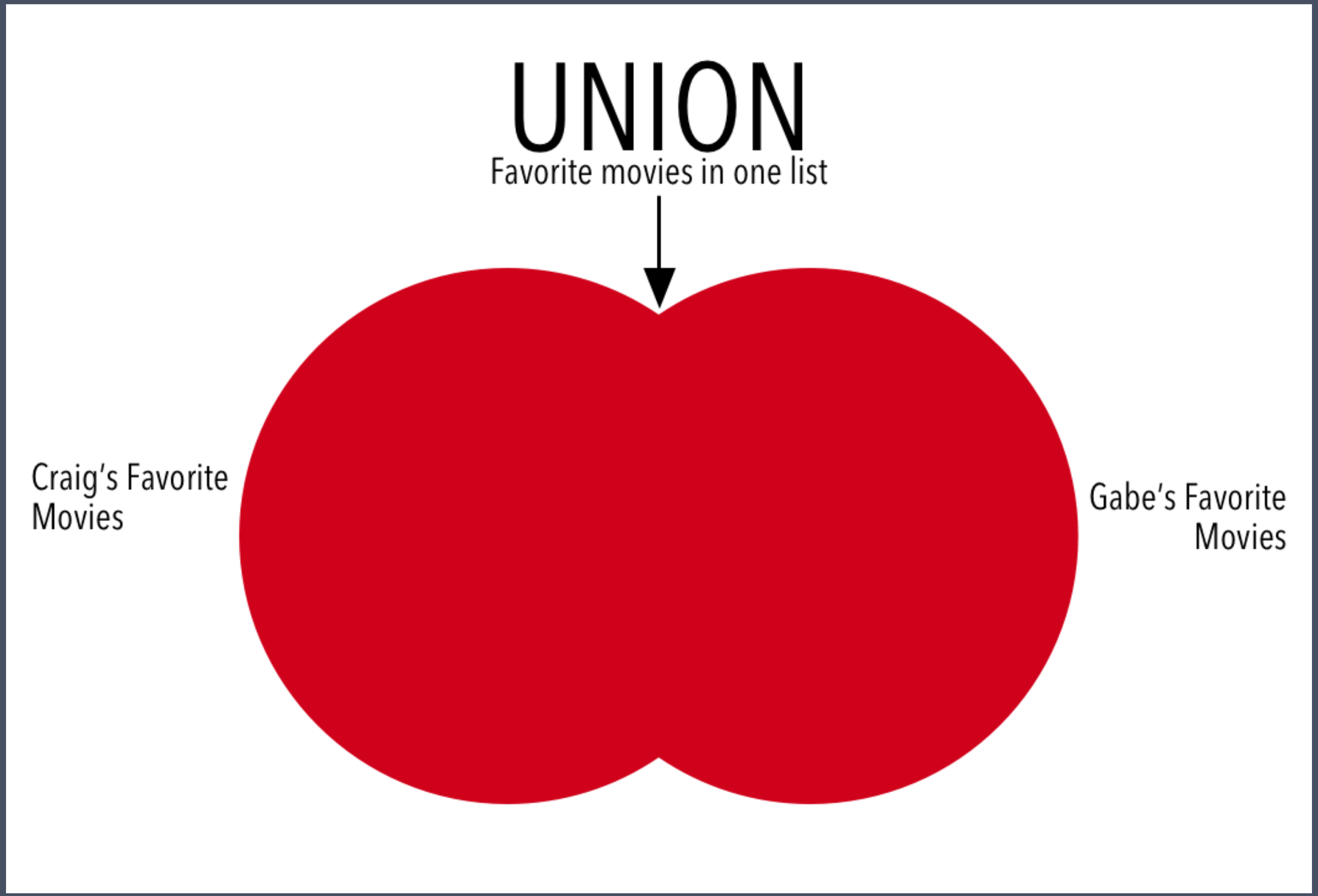
Favorite movies they have in common



Craig's Favorite Movies

Gabe's Favorite Movies

# PLAYGROUND TIME


UNION
Favorite movies in one list
Craig's Favorite Movies
Gabe's Favorite Movies

# PLAYGROUND TIME