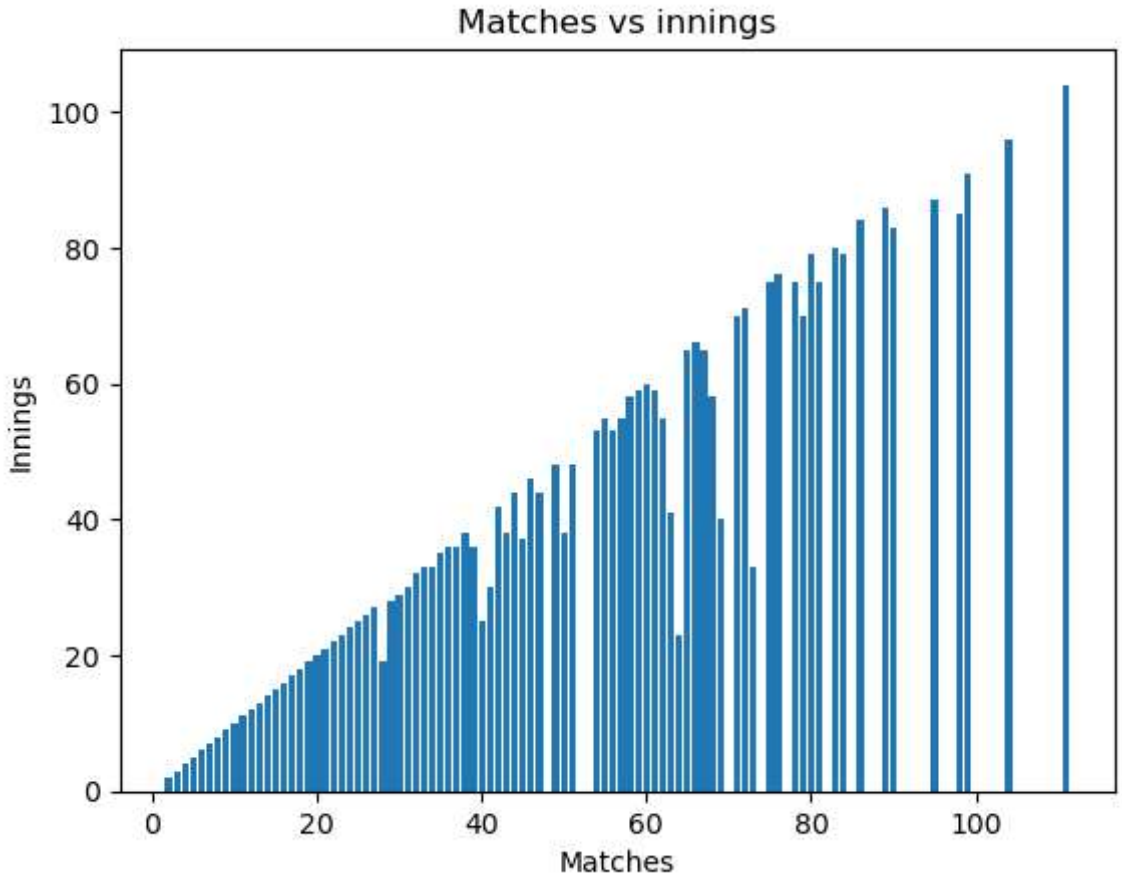
In [7]:
```
import pandas as pd
import matplotlib.pyplot as plt
df=pd.read_csv('C:/Users/victus/OneDrive/Desktop/Players Data set.csv')
```

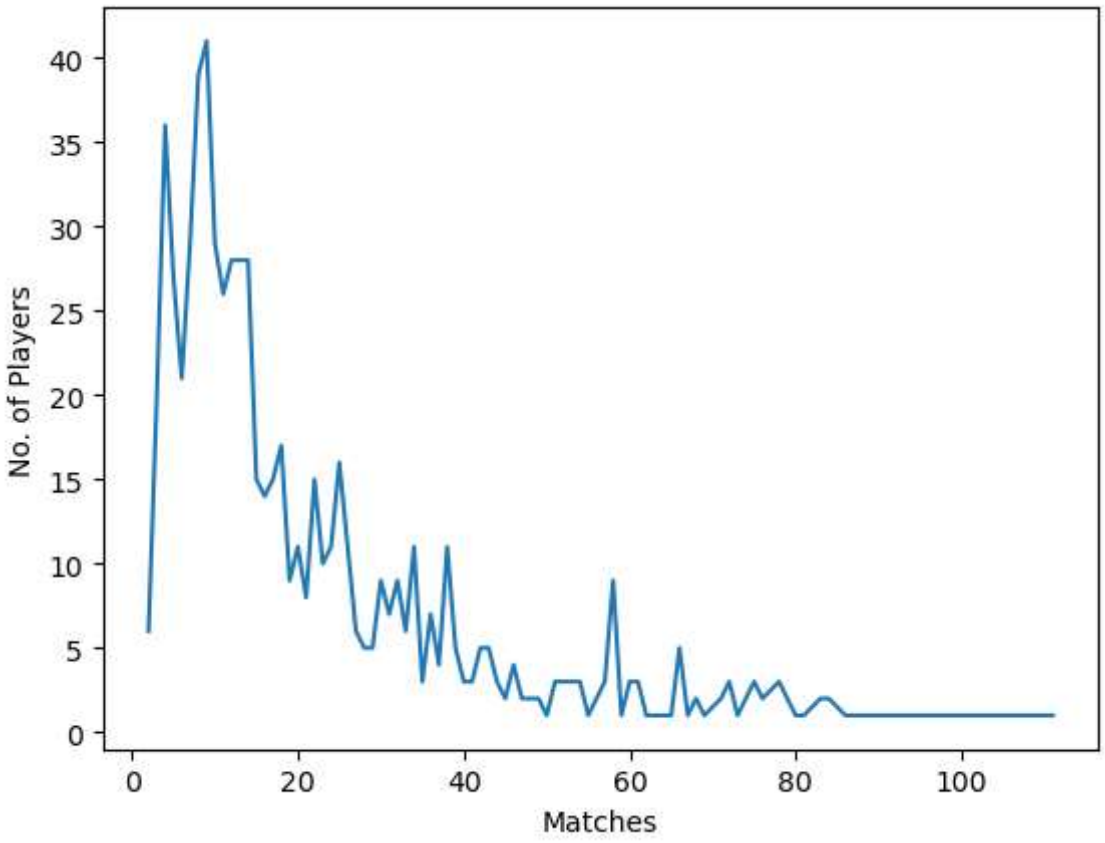
In [9]:
```
plt.bar(df['Mat'],df['Inns'])
plt.title('Matches vs innings')
plt.xlabel('Matches')
plt.ylabel('Innings')
```

Out[9]:
```
Text(0, 0.5, 'Innings')
```



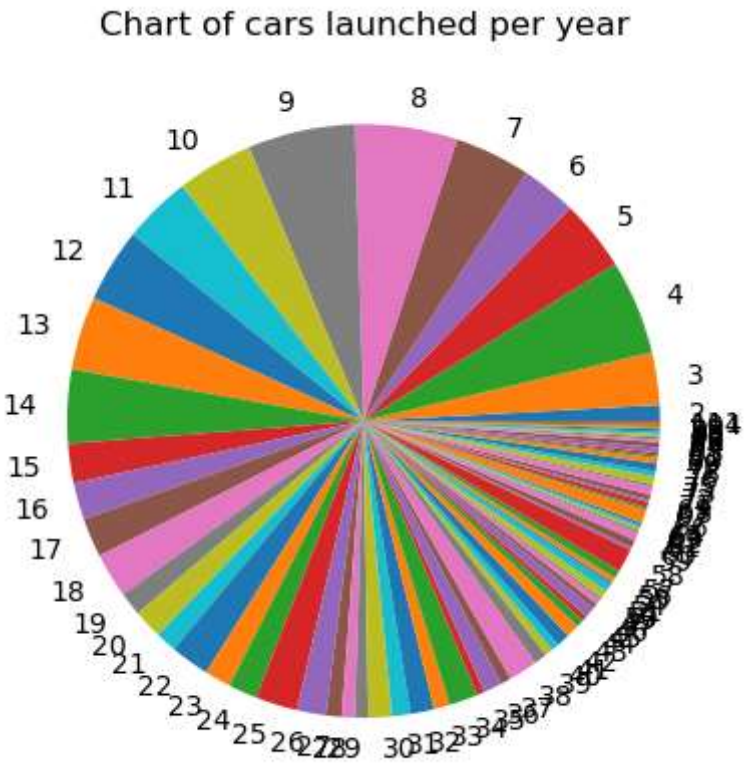
In [12]:
```
matches=df['Mat'].tolist()
matches=set(country)
matches=list(country)
noofplayers=[]
for i in range(len(country)):
 a=df.groupby('Mat').get_group(matches[i])
 b=len(a)
 noofplayers.append(b)
plt.plot(matches,noofplayers)
plt.xlabel('Matches')
plt.ylabel('No. of Players')
```

Out[12]: Text(0, 0.5, 'No. of Players')



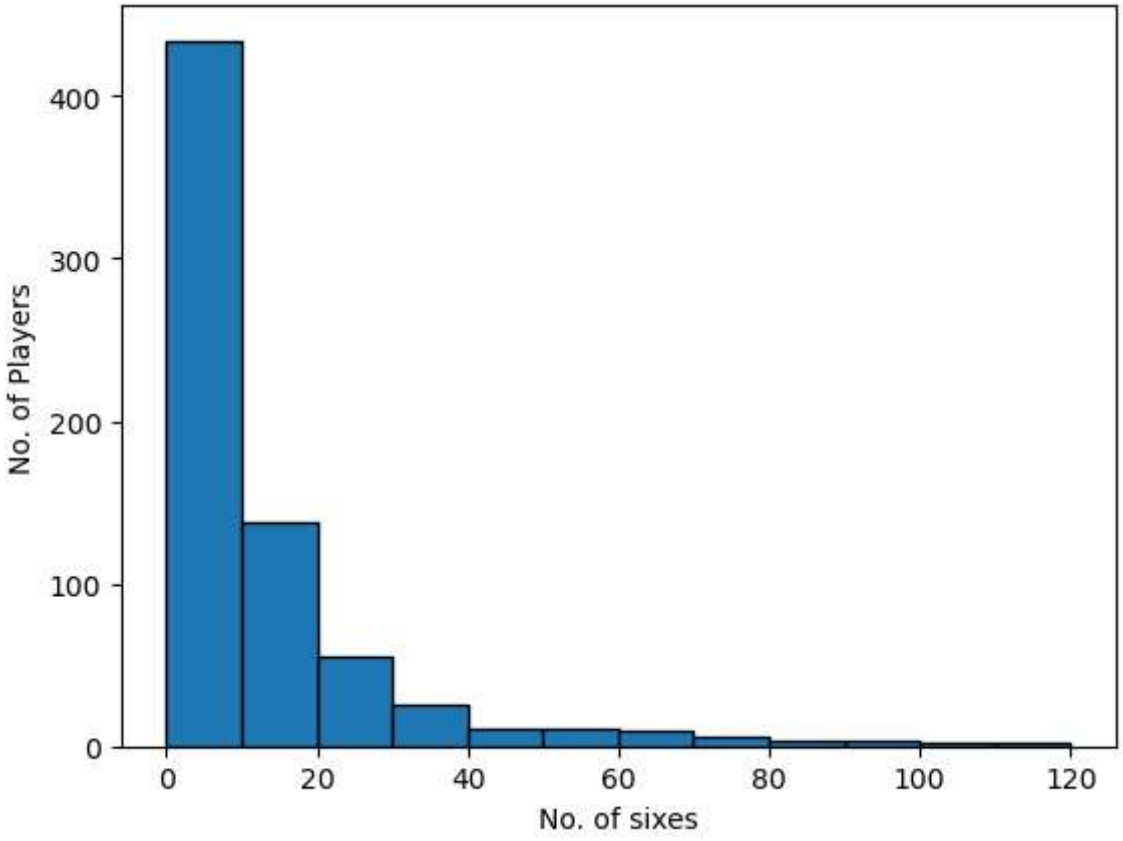
In [16]:
```
year=df['Mat'].tolist()
year=set(year)
year=list(year)
noofmodels=[]
for i in range(len(year)):
 a=df.groupby('Mat').get_group(year[i])
 b=len(a)
 noofmodels.append(b)
plt.pie(noofmodels,labels=year)
plt.title('Chart of cars launched per year')
```

Out[16]: Text(0.5, 1.0, 'Chart of cars launched per year')



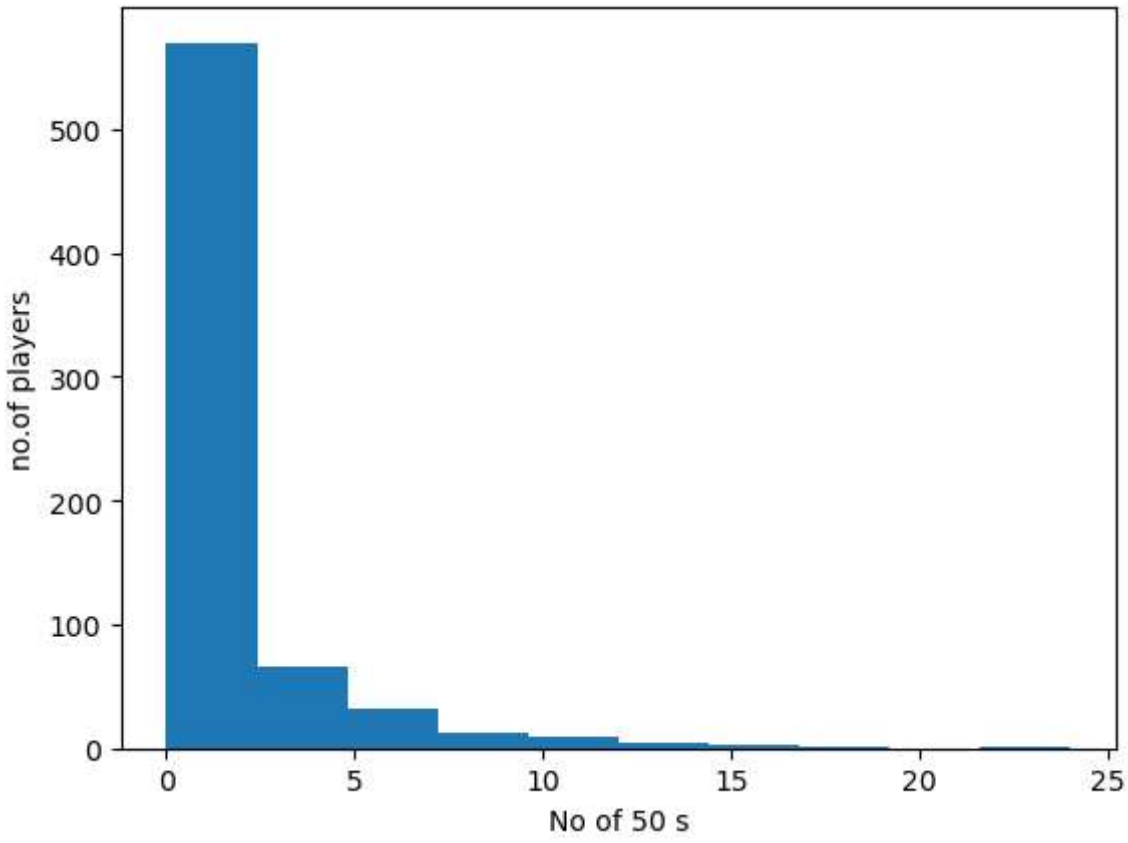
In [21]:
```
b=df['6s']
plt.hist(b,bins=12,edgecolor='black')
plt.xlabel('No. of sixes')
plt.ylabel('No. of Players')
```

Out[21]: Text(0, 0.5, 'No. of Players')



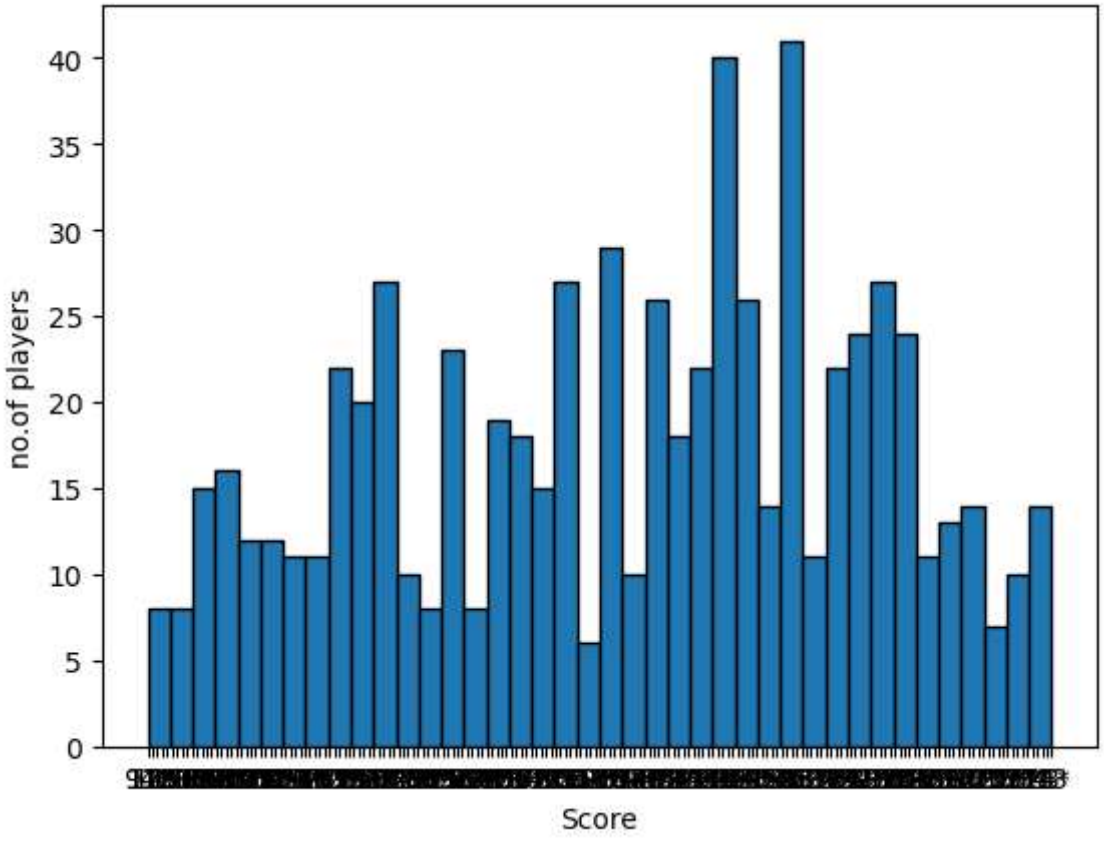
In [22]:
```
d=df['50']
plt.hist(d)
plt.xlabel('No of 50 s')
plt.ylabel('no.of players')
```

Out[22]:
```
Text(0, 0.5, 'no.of players')
```



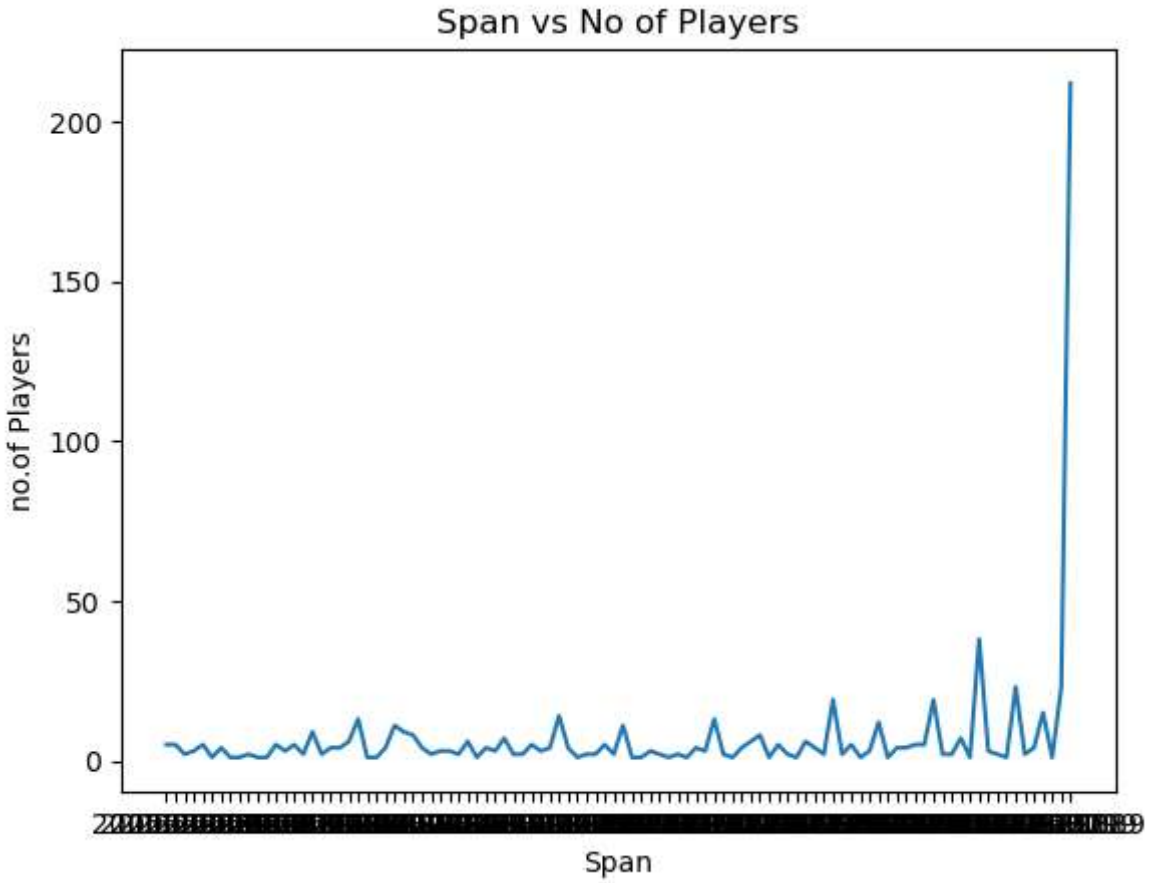
In [23]:
```
d=df['HS']
plt.hist(d,bins=40,edgecolor='black')
plt.xlabel('Score')
plt.ylabel('no.of players')
```

Out[23]:
```
Text(0, 0.5, 'no.of players')
```



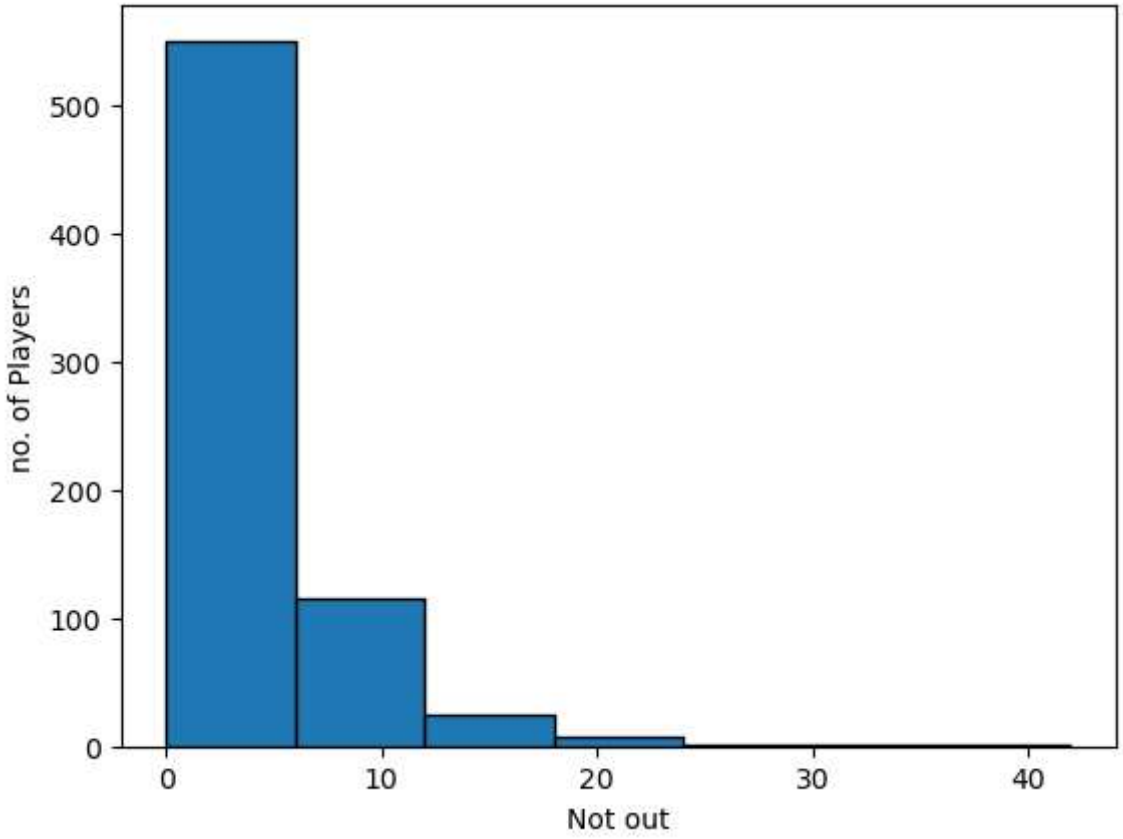
In [25]:
```
d=df['Span'].tolist()
d=set(d)
d=list(d)
d.sort()
accelerate=[]
for i in range(len(d)):
 a=df.groupby('Span').get_group(d[i])
 b=len(a)
 accelerate.append(b)
plt.plot(d,accelerate)
plt.title('Span vs No of Players')
plt.xlabel('Span')
plt.ylabel('no.of Players')
```

Out[25]: Text(0, 0.5, 'no.of Players')



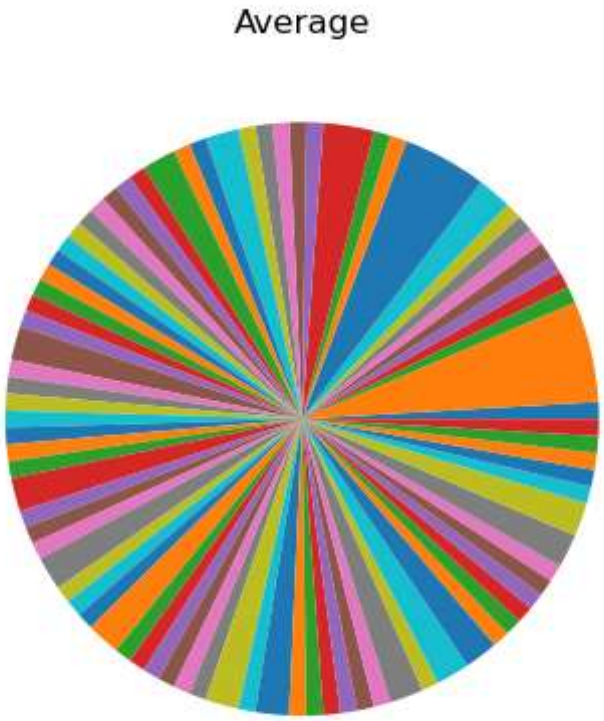
In [26]:
```
d=df['Not out']
plt.hist(d,bins=7,edgecolor='black')
plt.xlabel('Not out')
plt.ylabel('no. of Players')
```

Out[26]:
```
Text(0, 0.5, 'no. of Players')
```



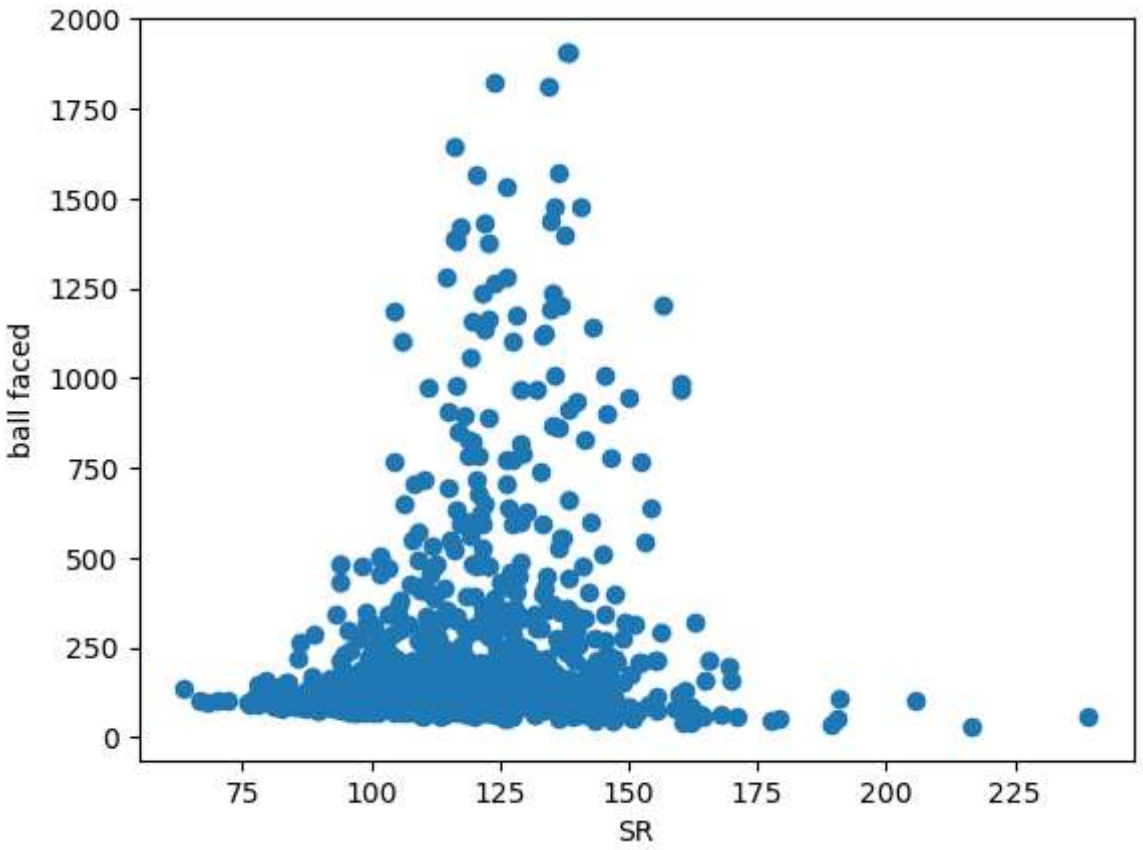
In [30]:
```
mpg=df['Ave'].tolist()
mpg=set(mpg)
mpg=list(mpg)
noofply=[]
for i in range(len(year)):
 a=df.groupby('Ave').get_group(mpg[i])
 b=len(a)
 noofply.append(b)
plt.pie(noofply)
plt.title('Average')
```

Out[30]: Text(0.5, 1.0, 'Average')



In [34]:
```
d=df['ball faced']
e=df['SR']
plt.scatter(e,d)
plt.ylabel('ball faced')
plt.xlabel('SR')
```

Out[34]: Text(0.5, 0, 'SR')



In [ ]: