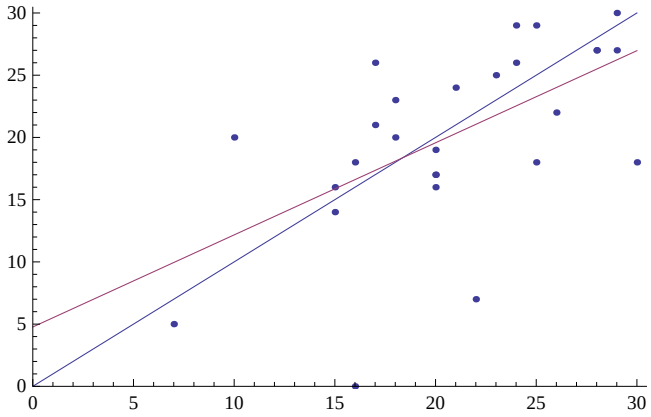
In[1]:=
```
list1 = {29, 10, 20, 20, 17, 29, 18, 26, 16, 22,
   20, 18, 16, 15, 25, 28, 24, 23, 15, 28, 25, 17, 24, 30, 20, 21,};
```

In[2]:=
```
list2 = {30, 20, 17, 17, 26, 27, 20, 22, 0, 7,
   19, 23, 18, 14, 18, 27, 26, 25, 16, 27, 29, 21, 29, 18, 16, 24,};
```

In[3]:=
```
cor = Table[{list1[[i]], list2[[i]]}, {i, 1, Length[list1]}];
Show[ListPlot[cor, PlotRange → {{0, 30.5}, {0, 30.5}}], Plot[{x, 4.77 + 0.74 * x}, {x, 0, 30}]]
```

Out[4]=



In[5]:=
```
lm = LinearModelFit[cor, x, x]
```

Out[5]=
```
FittedModel[4.62121 + 0.739303 x]
```

In[6]:=
```
lm["ParameterConfidenceIntervals"]
```

Out[6]=
```
{{-4.62598, 13.8684}, {0.311563, 1.16704}}
```

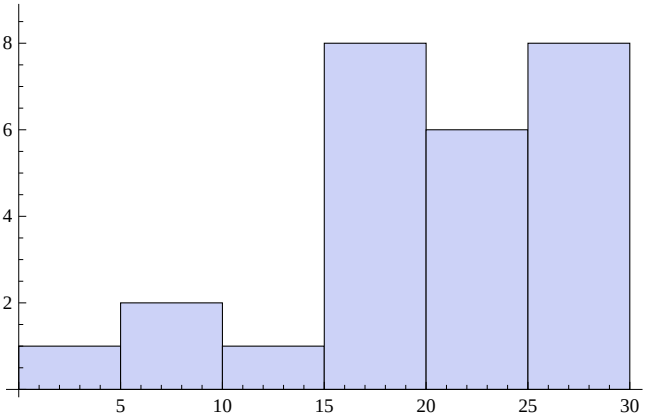
In[7]:=
```
N[Sum[list1[[i]], {i, 1, Length[list1]}] / Length[list1]]
N[Sum[list2[[i]], {i, 1, Length[list2]}] / Length[list2]]
```

Out[7]=
```
20.8519
```

Out[8]=
```
20.037
```

In[17]:=
```
Histogram[list2, {0, 30, 5}]
Histogram[list1, {0, 30, 5}]
```

Out[17]=



Out[18]=