

Brian — PS 10 — 2025-02-25 — Solution

EIWL3 Sections 26, 27, and 28

Exercises from *EIWL3* Section 26

```
In[1]:= (* 26.1 *) Power[#, 2] & /@ Range[20]
```

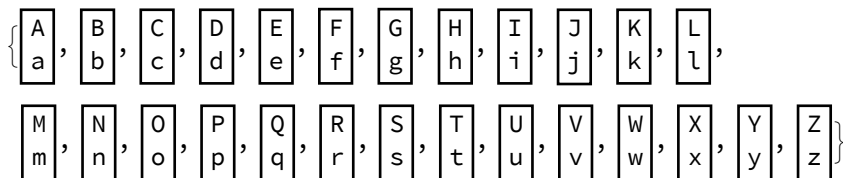
```
Out[1]= {1, 4, 9, 16, 25, 36, 49, 64, 81, 100, 121, 144, 169, 196, 225, 256, 289, 324, 361, 400}
```

```
In[4]:= (* 26.2 *) Blend[{Red, #}] & /@ {Yellow, Green, Blue}
```

```
Out[4]= {, , 
```

```
In[15]:= (* 26.3 *) Framed[Column[{ToUpperCase[#, #]}] & /@ Alphabet[]
```

```
Out[15]=
```



```
In[19]:= (* 26.4 *) Framed[Style[#, RandomColor[]], Background -> RandomColor[]] & /@ Alphabet[]
```

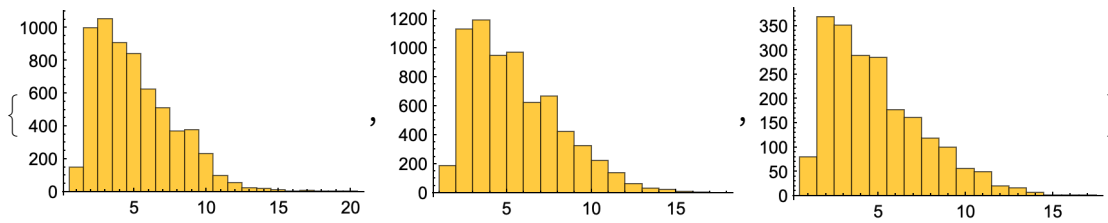
```
Out[19]=
```



(* 26.7 *)

Histogram[StringLength[TextWords[WikipediaData[#]]] & /@ {"apple", "peach", "pear"}]

Out[43]=



In[51]:= (* 26.8 *) GeoListPlot[#, GeoRange → Central America COUNTRIES] & /@

EntityList[Central America COUNTRIES]

Out[51]=



Exercises from *EIWL3* Section 27

(* 27.1 *) (* I really should re-read 26. *)

Exercises from *EIWL3* Section 28