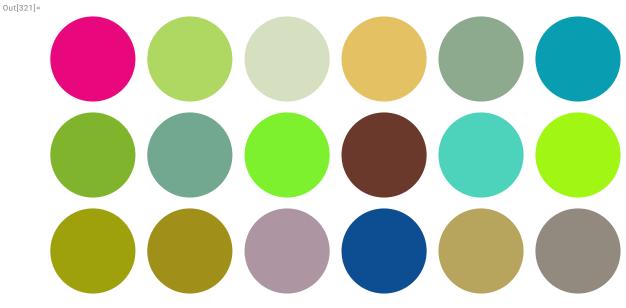
Looks great! 8/8. Minor comment on last page. Also, missing 37.8 (or your version of EIWL3 didn't have that exercise number)?

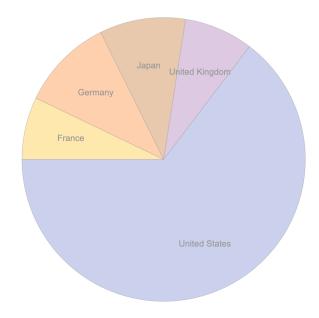
Eli — PS 15 — 2025-04-01

```
In[318]:=
      (*37.1*) Style[#, Background → If[EvenQ[#] == True, Yellow, LightGray]] & /@ Range[100]
Out[318]=
      {1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22,
       23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42,
       43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62,
       63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81,
       82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100}
In[319]:=
      (*37.2*) If [PrimeQ[#] == True, Framed[#], #] & /@ Range[100]
Out[319]=
      23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42,
       43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61,
       62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80,
       81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
In[320]:=
      (*37.3*)
      If[PrimeQ[#] == True, Labeled[Framed[#], Style[#, LightGray]], #] & /@ Range[100]
Out[320]=
      \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17,
       18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33,
       34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50,
      51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 53
      68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83,
       84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100
```

In[321]:= (*37.4*)GraphicsGrid[Table[Graphics[Style[Disk[], RandomColor[]]]], 3, 6]]

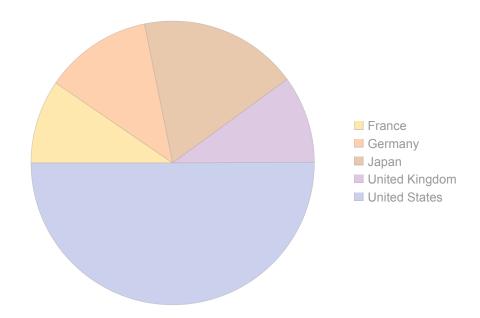


Out[322]=



(*37.6*) PieChart [Table [Legended [EntityList [Group of 5 COUNTRIES OF ["Population"]] [[n]], EntityList [Group of 5 COUNTRIES ["Name"]] [[n]], {n, 5}]]

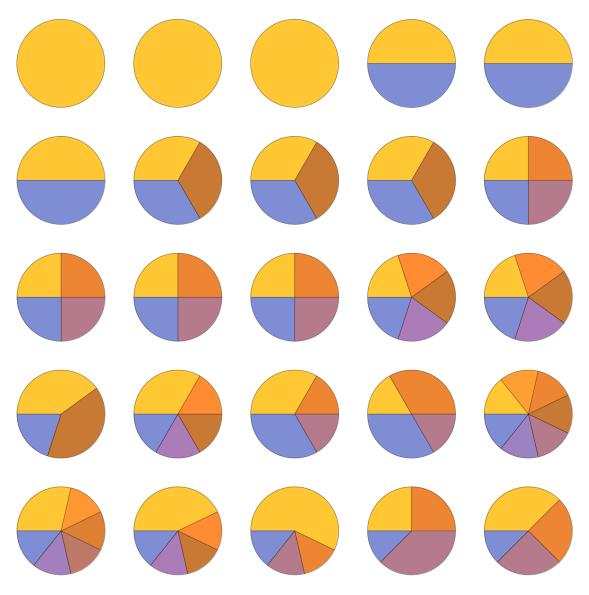
Out[323]=



448

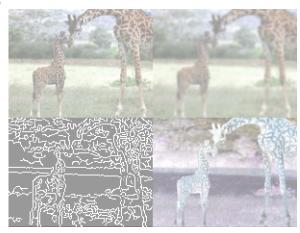
(*37.7*)GraphicsGrid[
Partition[Table[PieChart[Counts[IntegerDigits[2^n]]], {n, 25}], 5]]

Out[324]=



(*38.3*) ImageCollage Module $\left[\left\{ x = \frac{\text{giraffe SPECIES SPECIFICATION } \cdots }{\left[\text{"Image"} \right]} \right] \right]$ {x, Blur[x], EdgeDetect[x], ColorNegate[x]}]

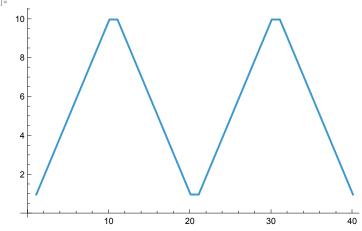
Out[327]=



In[328]:=

(*38.4*) Module[{r = Range[10]}, ListLinePlot[Join[r, Reverse[r], r, Reverse[r]]]]

Out[328]=



In[329]:=

(*38.5*) Module[{x = Range[10]}, {x + 1, x - 1, Reverse[x]}]

Out[329]=

$$\{\{2, 3, 4, 5, 6, 7, 8, 9, 10, 11\},\$$
 $\{0, 1, 2, 3, 4, 5, 6, 7, 8, 9\}, \{10, 9, 8, 7, 6, 5, 4, 3, 2, 1\}\}$

In[330]:=

(*38.6*) NestList[Mod[17 # + 2, 11] &, 10, 20]

Out[330]=

 $\{10, 7, 0, 2, 3, 9, 1, 8, 6, 5, 10, 7, 0, 2, 3, 9, 1, 8, 6, 5, 10\}$

And finally, precede the whole thing with StringJoin /@