Eli — 2025-01-17 — PS 1

In[180]:=
```
1 + 2 + 3
```
Out[180]=
```
6
```

In[181]:=
```
1 + 2 + 3 + 4 + 5
```
Out[181]=
```
15
```

In[182]:=
```
1 × 2 × 3 × 4 × 5
```
Out[182]=
```
120
```

In[183]:=
```
5 ^ 2
```
Out[183]=
```
25
```

In[184]:=
```
3 ^ 4
```
Out[184]=
```
81
```

In[185]:=
```
10 ^ 12
```
Out[185]=
```
1 000 000 000 000
```

In[186]:=
```
3 ^ (7 × 8)
```
Out[186]=
```
523 347 633 027 360 537 213 511 521
```

In[187]:=
```
(4 - 2) (3 + 4)
```
Out[187]=
```
14
```

In[188]:=
```
29 000 × 73
```
Out[188]=
```
2 117 000
```

In[189]:=
```
-3 + -2 + -1 + 1 + 2 + 3
```
Out[189]=
```
0
```

I love the fact that you did some 3-D stuff at the end.

I didn't see a solution, 3.6. My solution was

ListPlot[Join[Range[100], Reverse[Range[100]]]]

Obviously you know how to do it.

Great!

10/10

In[190]:=
```
24 / 3
```
Out[190]=
```
8
```

In[191]:=
```
5 ^ 100
```
Out[191]=
```
7 888 609 052 210 118 054 117 285 652 827 862 296 732 064 351 090 230 047 702 789 306 640 625
```

In[192]:=
```
6 × 5 ^ 2 + 7
```
Out[192]=
```
157
```

In[193]:=
```
3 ^ 2 - 2 ^ 3
```
Out[193]=
```
1
```

In[194]:=
```
2 ^ 3 × 3 ^ 2
```
Out[194]=
```
72
```

In[195]:=
```
2 (8 - 11)
```
Out[195]=
```
-6
```

In[196]:=
```
Plus[7, 6, 5]
```
Out[196]=
```
18
```

In[197]:=
```
Times[2, Plus[3, 4]]
```
Out[197]=
```
14
```

In[198]:=
```
Max[6 × 8, 5 × 9]
```
Out[198]=
```
48
```

In[199]:=
```
RandomInteger[1000]
```
Out[199]=
```
512
```

In[200]:=
```
Plus[10, RandomInteger[10]]
```
Out[200]=
```
19
```

In[201]:=
```
Times[5, 4, 3, 2]
```
Out[201]=
```
120
```

In[202]:=
```
Subtract[2, 3]
```
Out[202]=
```
-1
```

In[203]:=
```
Times[Plus[8, 7], Plus[9, 2]]
```
Out[203]=
```
165
```

In[204]:=
```
Divide[Subtract[26, 89], 9]
```
Out[204]=
```
-7
```

In[205]:=
```
Subtract[100, Power[5, 2]]
```
Out[205]=
```
75
```

In[206]:=
```
Max[3^5, 5^3]
```
Out[206]=
```
243
```

In[207]:=
```
Times[3, Max[4^3, 3^4]]
```
Out[207]=
```
243
```

In[208]:=
```
Plus[RandomInteger[1000], RandomInteger[1000]]
```
Out[208]=
```
1530
```

In[209]:=
```
Range[4]
```
Out[209]=
```
{1, 2, 3, 4}
```

In[210]:=
```
Range[100]
```
Out[210]=
```
{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}
```

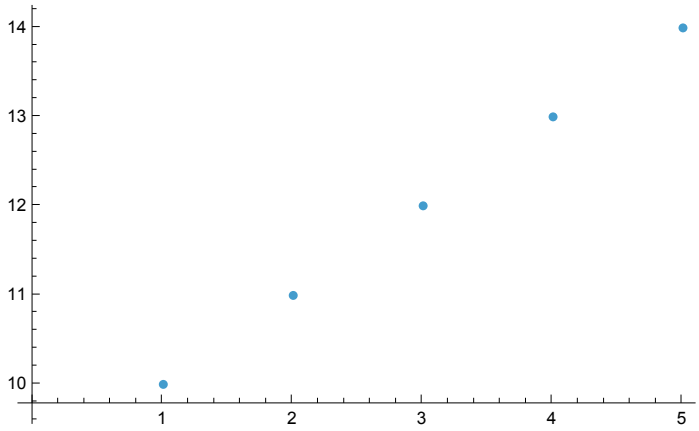
In[211]:=
```
Reverse[Range[4]]
```
Out[211]=
```
{4, 3, 2, 1}
```

In[212]:=
```
Reverse[Range[50]]
```
Out[212]=
```
{50, 49, 48, 47, 46, 45, 44, 43, 42, 41, 40, 39, 38, 37,
 36, 35, 34, 33, 32, 31, 30, 29, 28, 27, 26, 25, 24, 23, 22, 21, 20,
 19, 18, 17, 16, 15, 14, 13, 12, 11, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1}
```

In[213]:=
```
Join[Range[4], Reverse[Range[5]]]
```
Out[213]=
```
{1, 2, 3, 4, 5, 4, 3, 2, 1}
```

In[214]:=
```
Join[Reverse[Range[3]], Reverse[Range[4]], Reverse[Range[5]]]
```
Out[214]=
```
{3, 2, 1, 4, 3, 2, 1, 5, 4, 3, 2, 1}
```

In[215]:=
```
ListPlot[Range[10, 14]]
```
Out[215]=

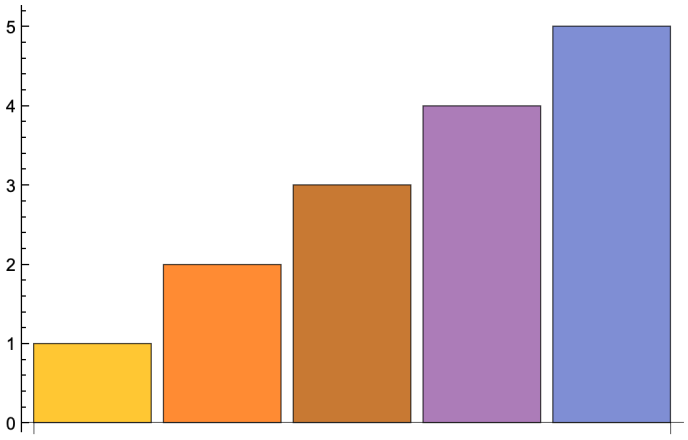


In[216]:=
```
Join[Range[10], Reverse[Range[10]], Range[10]]
```
Out[216]=
```
{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 10, 9, 8, 7, 6, 5, 4, 3, 2, 1, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10}
```

In[217]:=

```
BarChart[{Range[5]}]
```

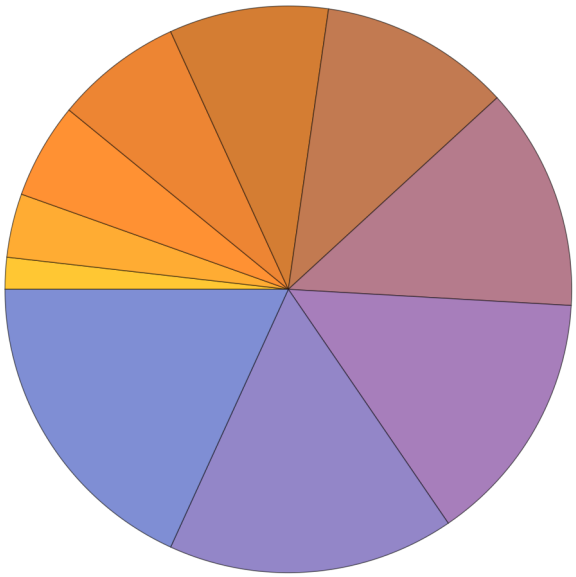
Out[217]=



In[218]:=

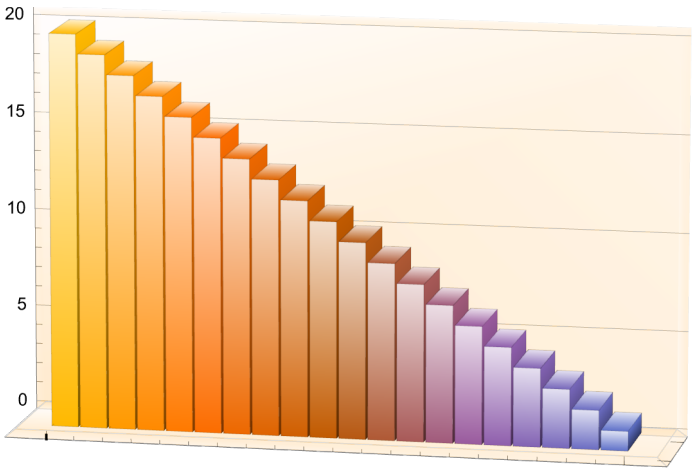
```
PieChart[{Range[10]}]
```

Out[218]=



In[219]:=
```
BarChart3D[{Reverse[Range[20]]}]
```

Out[219]=



In[220]:=
```
Column[Range[5]]
```

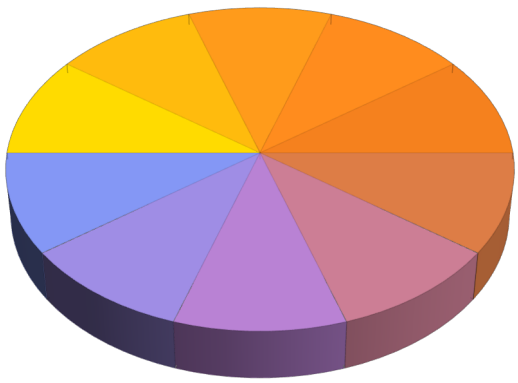
Out[220]=
```
1
2
3
4
5
```

In[221]:=
```
NumberLinePlot[Power[Range[5], 2]]
```

Out[221]=

In[222]:=
```
PieChart3D[{1, 1, 1, 1, 1, 1, 1, 1, 1, 1}]
```

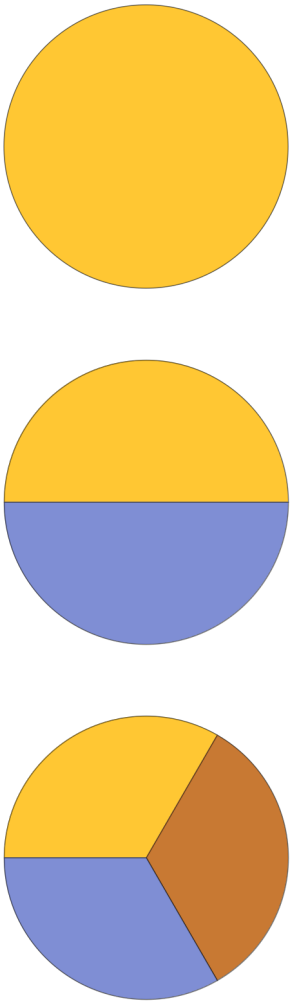
Out[222]=



In[223]:=

```
Column[{PieChart[{1}], PieChart[{1, 1}], PieChart[{1, 1, 1}]}]
```

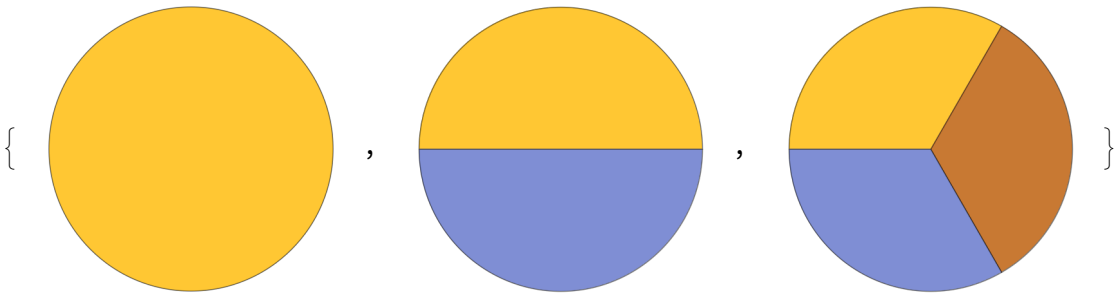
Out[223]=



In[224]:=

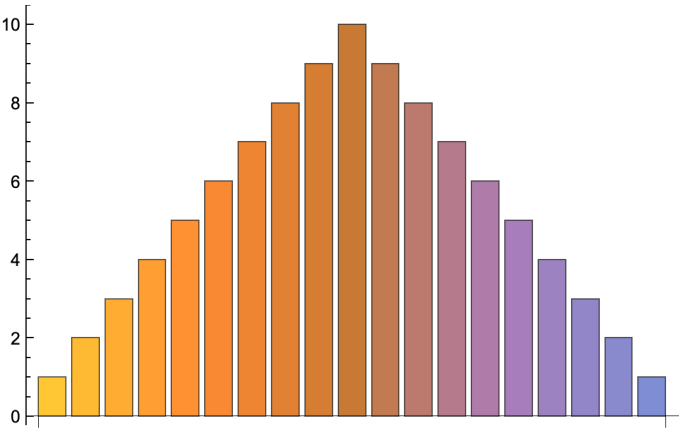
```
{PieChart[{1}], PieChart[{1, 1}], PieChart[{1, 1, 1}]}
```

Out[224]=



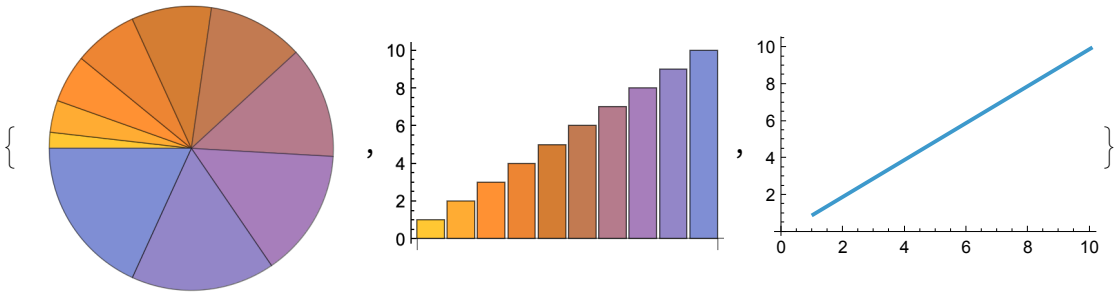
In[225]:=
```
BarChart[{Join[Range[10], Reverse[Range[9]]]}]
```

Out[225]=



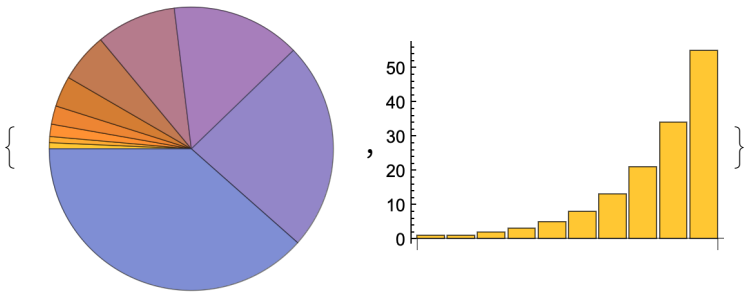
In[226]:=
```
{PieChart[{Range[10]}], BarChart[{Range[10]}], ListLinePlot[{Range[10]}]}
```

Out[226]=



In[227]:=
```
{PieChart[{1, 1, 2, 3, 5, 8, 13, 21, 34, 55}],
 BarChart[{1, 1, 2, 3, 5, 8, 13, 21, 34, 55}]}
```

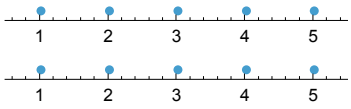
Out[227]=



In[228]:=

```
Column[{NumberLinePlot[{Range[5]}], NumberLinePlot[{Range[5]}]}]
```

Out[228]=



In[229]:=

```
NumberLinePlot[{1 / Range[9]}]
```

Out[229]=