

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]:=

$$1 \times 2 \times 3 \times 4 \times 5$$

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]:=

$$3^{(7 \times 8)}$$

Out[186]=

$$523\,347\,633\,027\,360\,537\,213\,511\,521$$

In[187]:=

$$(4 - 2) (3 + 4)$$

Out[187]=

$$14$$

In[188]:=

$$29\,000 \times 73$$

Out[188]=

$$2\,117\,000$$

In[189]:=

$$-3 + -2 + -1 + 1 + 2 + 3$$

Out[189]=

$$0$$

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

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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]]]

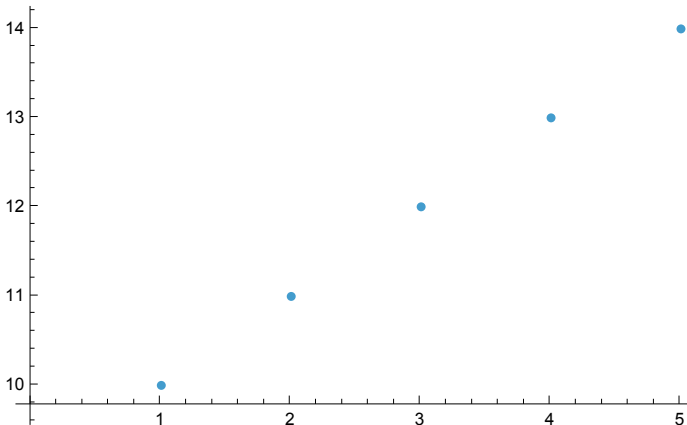
Out[214]=

{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]]

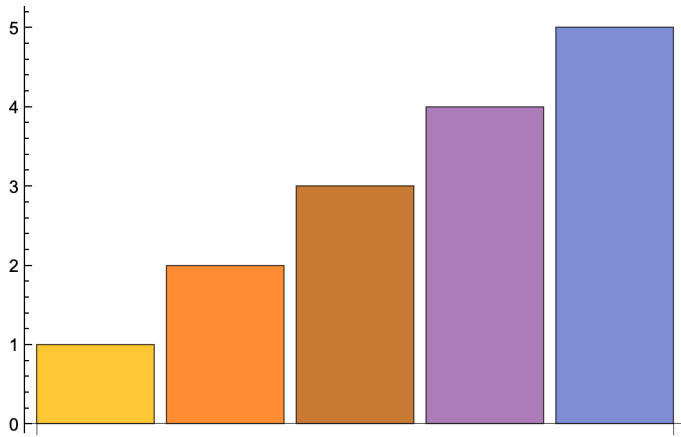
Out[216]=

{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]}]
```

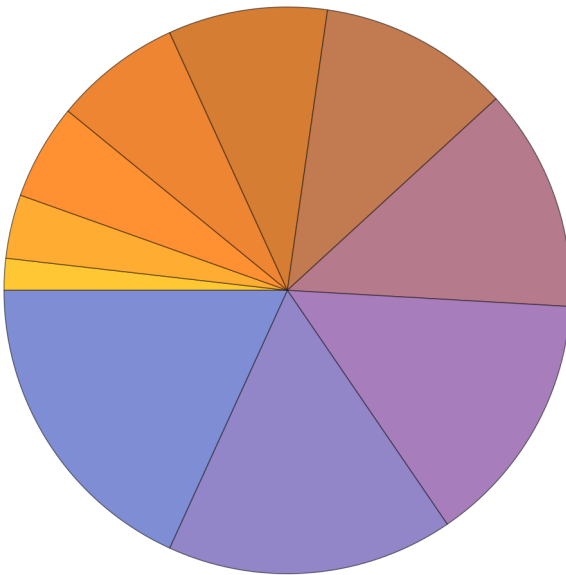
```
Out[217]=
```



```
In[218]:=
```

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

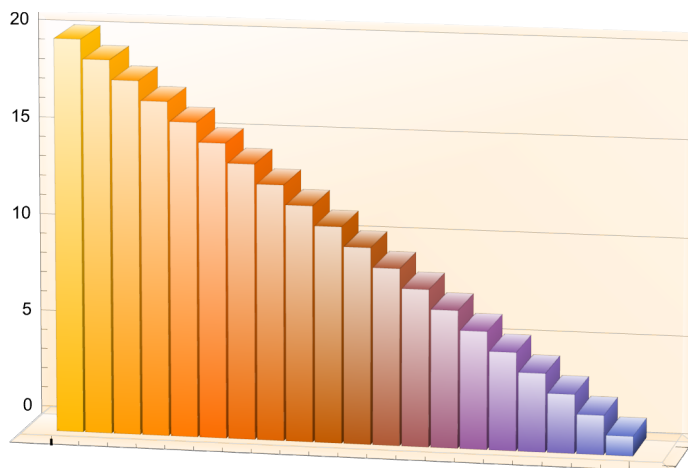
```
Out[218]=
```



```
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]]
```

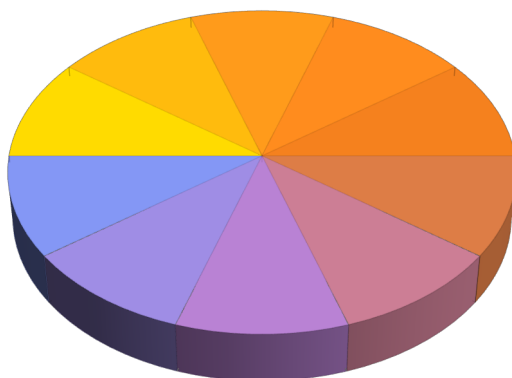
```
Out[221]=
```



```
In[222]:=
```

```
PieChart3D[{1, 1, 1, 1, 1, 1, 1, 1, 1, 1}]
```

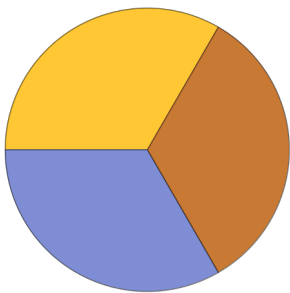
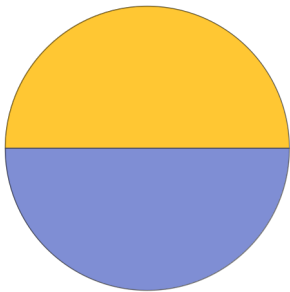
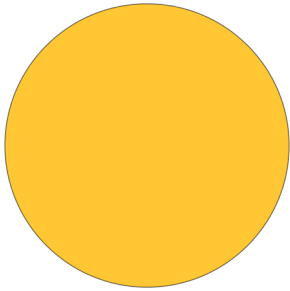
```
Out[222]=
```



In[223]:=

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

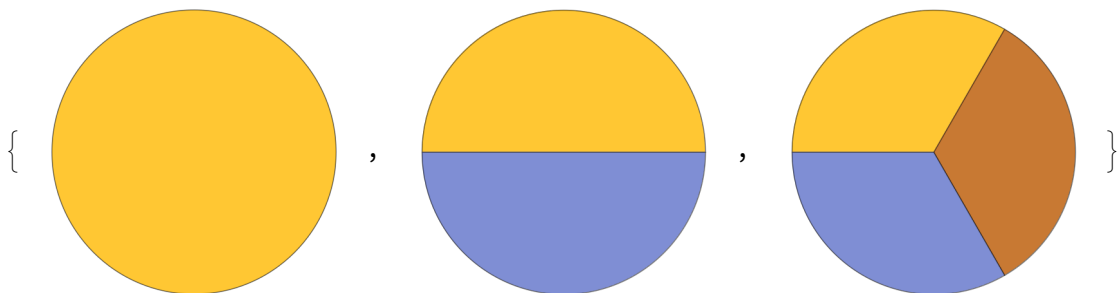
Out[223]=



In[224]:=

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

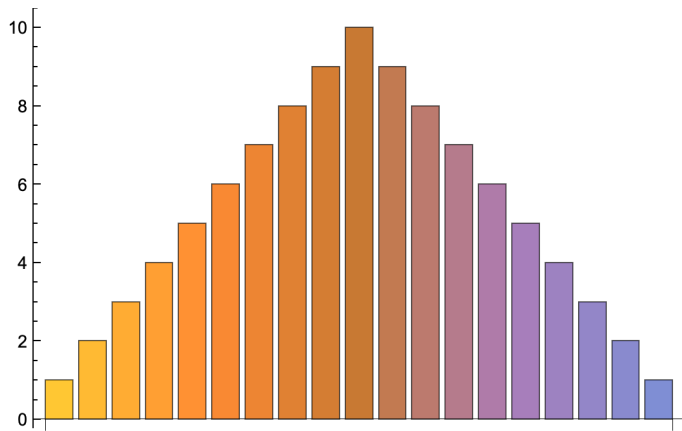
Out[224]=



In[225]:=

```
BarChart[{Join[Range[10], Reverse[Range[9]]]}
```

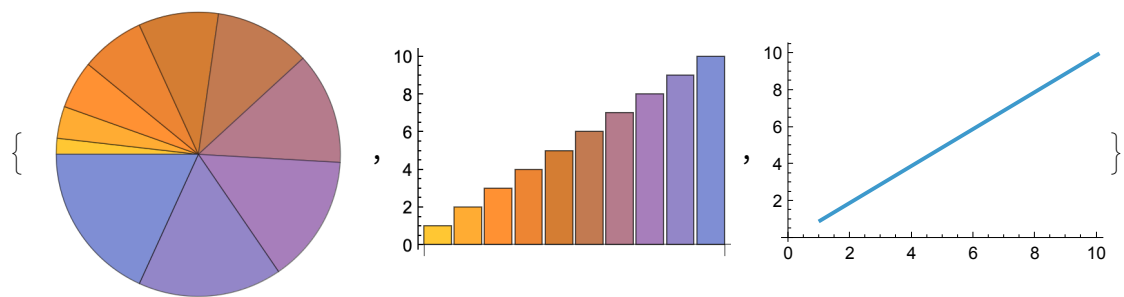
Out[225]=



In[226]:=

```
{PieChart[{Range[10]}], BarChart[{Range[10]}], ListLinePlot[{Range[10]}]}
```

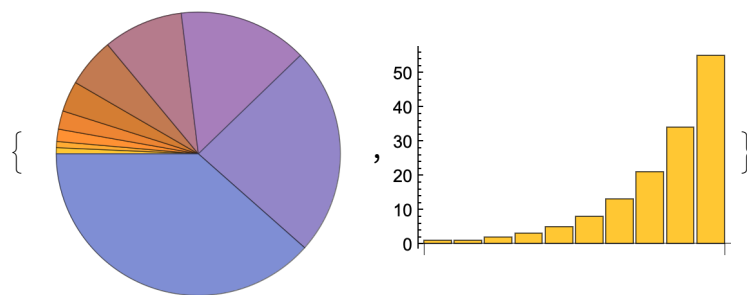
Out[226]=



In[227]:=

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

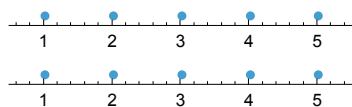
Out[227]=



In[228]:=

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

Out[228]=



In[229]:=

NumberLinePlot[{1 / Range[9]}]

Out[229]=

