Elementary Arithmetic

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Add Numbers:

```
In[ ]:= 2 + 2
Out[ ]= 4
```

```
In[ ]:= 1234 + 5678
Out[ ]= 6912
```

Multiply Numbers:

```
In[ ]:= 1234 * 5678
Out[ ]= 7006652
```

Exercises:

1. Compute 1+2+3

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

2. Add the numbers 1,2,3,4,5

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

3. Multiply the numbers 1,2,3,4,5

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

4. Compute 5 squared

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

5. Compute 3 raised to the fourth power

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

6. Compute 10 raised to the power 12 (a trillion)

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

7. Compute 3 raised to the power 7x8

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

8. Add parentheses to 4-2*3+4 to make 14

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

9. Compute Twenty-nine thousand multiplied by seventy-three

In[ ]:=
```
29000*73
```
Out[ ]= 2 117 000

10. Add all integers from -3 to +3

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

11. Compute 24 divided by 3

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

12. Compute 5 raised to the power 100

In[ ]:= **5^100**

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

13. Subtract 5 squared from 100

In[ ]:= **100 - 5^2**

Out[ ]= 75

14. Multiply 6 by 5 squared, and add 7

In[ ]:= **6 * (5^2) + 7**

Out[ ]= 157

15. Compute 3 squared minus 2 cubed

In[ ]:= **(3^2) - (2^3)**

Out[ ]= 1

16. Compute 2 cubed times 3 squared

In[ ]:= **(2^3) * (3^2)**

Out[ ]= 72

17. Compute “double the sum of eight and negative eleven”

In[ ]:= **2 * (8 - 11)**

Out[ ]= −6