Number Charts

Skip Counting by Threes

You can skip count using the hundred chart.

- This workspace provides a chart with 100 spaces that can be set to start at any number.
- Use Set Chart to change the number that the chart begins with.

Practice using the Hundred Chart

1 On the bottom shell, click on Skip Counting . You will see a dialog box where you can enter a number to start from and a number to count by.
  - Use the ❯ button to change the Count on from number to 4.
  - Use the ❯ button to change the Count by number to 4.

  - Click on Start to highlight the first number. Then click on Next to highlight each subsequent number.

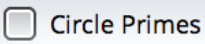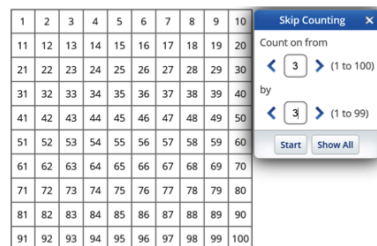**2** Use Show All to show all the numbers in the skip counting pattern at once.

  - Use Reset All to clear the chart and start a new pattern.
  - Change the number in the "Count on from" box to change the starting number of the skip counting.

3 The number you are skip counting by can be changed to any number by changing the number in the "by" box.

  Anytime you want to count by a different pattern, use Reset All to clear the chart and start over.

4 In the bottom shell, click the Circle Primes box ☐ Circle Primes . You will see all the prime numbers circled in the Hundred Chart.

![Number Charts icon] **Number Charts**

Finding Sums

You can find sums using the Addition Chart. To get to the Addition Chart mode, click ▼ to see the drop-down menu and select **Addition Chart**.
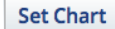
- This workspace provides a chart that can be used to find any sum between 0 and 998.

- Use Set Chart to change the number that the rows and columns start at. The rows and columns can start with any number between 0 and 491.

Practice Using the Addition Chart

1 Find the sum 8 + 9.

- To add 8 + 9, click on ⁸ in the top row. Then, click on ⁹ in the left-most column. The sum is the number where the green strips intersect. So, the sum is 9 + 8 = 17.

+	1	2	3	4	5	6	7	8	9
1	2	3	4	5	6	7	8	9	10
2	3	4	5	6	7	8	9	10	11
3	4	5	6	7	8	9	10	11	12
4	5	6	7	8	9	10	11	12	13
5	6	7	8	9	10	11	12	13	14
6	7	8	9	10	11	12	13	14	15
7	8	9	10	11	12	13	14	15	16
8	9	10	11	12	13	14	15	16	17
9	10	11	12	13	14	15	16	17	18

2 Now, find the sum 246 + 84. Use Set Chart to start the row to include 246 and the column to include 84. You may use your keyboard or the arrows, ◄ and ►, to insert numbers in the Set Chart box. Then click OK.

- Click on 246 in the left-most column 246 and 84 in the top row. The intersection is at 330. So, 246 + 84 = 330.

Anytime you want to find a different sum, use Reset All to clear the chart and start over.

Number Charts

Finding Products

You can find products using the Multiplication Chart. To get to the Multiplication Chart mode, click ▼ to see the drop-down menu and select **Multiplication Chart**.

- The workspace provides a chart that can be used to find any product between 0 and 961.

- Use Set Chart to change the number that the rows and columns start at. The rows and columns can start with any number between 0 and 23.

Practice Using the Multiplication Chart

1 Find the product 6 × 8.

- To multiply 6 × 8, click on [6] in the left-most column.

  Then, click on [8] in the top row. The product is the number where the green strips intersect.

  So, the product is 6 × 8 = 48.

×	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9
2	2	4	6	8	10	12	14	16	18
3	3	6	9	12	15	18	21	24	27
4	4	8	12	16	20	24	28	32	36
5	5	10	15	20	25	30	35	40	45
6	6	12	18	24	30	36	42	48	54
7	7	14	21	28	35	42	49	56	63
8	8	16	24	32	40	48	56	64	72
9	9	18	27	36	45	54	63	72	81

2 Now, find the product 18 × 21. Use Set Chart to start the rows to include 18 and the columns to include 21. Then click OK.

- Click on 18 in the left-most column and 21 in the top row. The intersection is at 378. So, 18 × 21 = 378.

  Anytime you want to find a different product, use Reset All to clear the chart and start over.

×	20	21	22	23	24	25	26	27	28
10	200	210	220	230	240	250	260	270	280
11	220	231	242	253	264	275	286	297	308
12	240	252	264	276	288	300	312	324	336
13	260	273	286	299	312	325	338	351	364
14	280	294	308	322	336	350	364	378	392
15	300	315	330	345	360	375	390	405	420
16	320	336	352	368	384	400	416	432	448
17	340	357	374	391	408	425	442	459	476
18	360	378	396	414	432	450	468	486	504

Additional Features

You can change the highlighted color of the rows and columns.

- It is especially helpful when you highlight 2 or more rows or columns at the same time.

- The color choices are at the bottom of the workmat. You can click the Paint Brush and Select Color buttons to choose different colors and highlight any product on the Number Chart.

- The Hide Cells button Hide Cells lets you hide any numbers that are not part of your equation.